Stainless Steel Snapshot:

Austenitic Steel

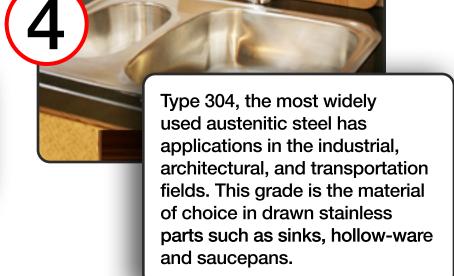
Did you know there are more than 100 grades of stainless steel? Stainless steel is made by adding varying amounts of chromium (Cr) and other alloying elements such as nickel (Ni) to iron and carbon to create a corrosion-resistant product. There are five primary grades of stainless steel: austenitic, ferritic, martensitic, duplex, and precipitation hardening.

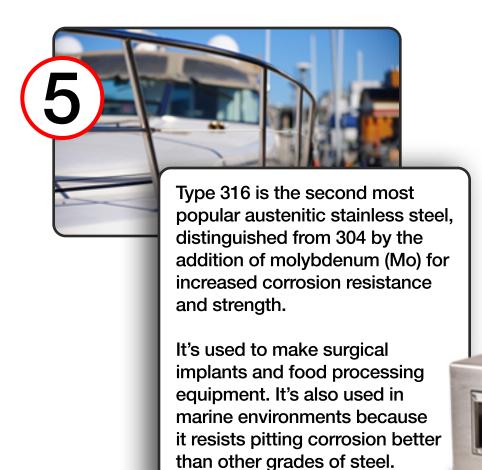
Austenitic stainless steels, named after the UK metallurgist Sir W. C. Roberts-Austen, contain high amounts of chromium and nickel and are the most corrosion resistant, ductile, and weldable type of stainless steel. Here are some facts about austenitic stainless steels:











Austenitic steels, specifically grade 304, are easy to machine but must be measured to precise thickness specifications by processing the material through a cold rolling mill.

Get reliable elemental analysis for accurate steel grade identification and metal alloy verification for manufacturing quality assurance with a handheld X-ray fluorescence instrument.

