

Code	GX5CrNi19-10
US standard (AISI)	CF-8
Composition Alloying components [%]	<ul style="list-style-type: none"> ■ C: 0 - 0.07 ■ Cr: 18.00 - 20.00 ■ Cu: 0 - 0.50 ■ Mn: 0 - 1.50 ■ Ni: 8.00 - 11.00 ■ P: 0 - 0.040 ■ S: 0 - 0.030 ■ Si: 0 - 1.50 ■ Remainder: Fe
Stainless steel grade	A2
Density [g/cm ³]	7.88
Nickel migration [µg/(cm ² x week)] in artificial perspiration (pH 4.5)	<0.05
Yield point Rp0.2 [N/mm ²]	≥175
Tensile strength Rm [N/mm ²]	440 - 640
Corrosion resistance	good (similar to 1.4301)
Machinability	medium
Weldability	good
Other properties	<ul style="list-style-type: none"> ■ Predominantly: austenitic, non-magnetic structure with good tenacity ■ Can be mechanically polished to a brilliant sheen ■ Suitability for electropolishing: good to satisfactory ■ For use in the temperature range -50 - 600°C
Main uses	<ul style="list-style-type: none"> ■ Parts for systems in the food and beverages industry ■ Chemical industry (where there is no exposure to chlorides) ■ Architecture, pump and valve technology, pipes and manifolds, filter presses