

301 stainless steel wire:

301 stainless steel semi-hard wire, 301 stainless steel full-hard wire, 301 stainless steel screw line, 301 stainless steel spring wire, 301 stainless steel full cord, 301 bright stainless steel wire, 301 stainless steel electrolysis line, 301 stainless steel axletree wire.

Mechanical properties of 301 stainless steel wire:

Mechanical properties						
Hardness			Elongation $\delta 5(\%)$	Density $g / cm^3$	Tensile Strength $\sigma_b$ (MPa)	Yield Strength $\sigma_{0.2}$ (MPa)
HB	HRB	HV	$\geq 40$	$\geq 50$	$\geq 520$	$\geq 205$
$\leq 187$	$\leq 90$	$\leq 200$				

Chemical Composition of 301 stainless steel:

Chemical Composition %							
C	Cr	Ni	Mn	P	S	Si	other
$\leq 0.15$	16-18	6-8	$\leq 2$	$\leq 0.045$	$\leq 0.03$	$\leq 1$	-

301 is equivalent to our 0Cr19Ni9 (0Cr18Ni9) stainless steel. 301 stainless steel is a versatile stainless steel which rust-resistant is stronger than the 200 series stainless steel. Temperature are also able to to 1000-1200 degrees high, so the high temperature resistance is excellent. 301 stainless steel with excellent corrosion resistance and good resistance to intergranular corrosion.