

301 stainless steel bars:Stainless steel bars, 301 stainless steel bars, 301 stainless round bars, 301 stainless angle steel, 301 stainless hexagonal bar, 301 stainless steel black bars,301 stainless square bar,301 stainless capstan bar , 301 stainless channel steel, 301 stainless steel bright bars.

Specification	1mm-500mm								
Weight Calculation	diameter*diameter*0.00623 =kg/m								
Mechanical Property	Tensile Strength N/mm2	Yield Strength N/mm2	Elongation %	Hardness			Density	Melting Point	Resistivity
	≥520	≥205	≥40	HB ≤ 187	HRB ≤ 90	HV ≤ 200	7.93 g·cm-3	1398- 1420℃	0.73 Ω· mm 2·m -1
Chemical Composition	Si	C	Mn	Ni	Cr	P	S		
	≤1.0	≤0.15	≤2.0	6.0-8.0	16.0- 18.0	≤0.045	≤0.03		

301 stainless steel Material: compared with 304 ,less Ni, Cr content makes the tensile strength and hardness increased in cold processing , non-magnetic,good weldability, but the magnetic will be there after cold working.Abrasion resistance and fatigue strength is superior to 304 stainless steel,easy-to-shape products, and can be rapidly hardened by machining it.