

200 Series

201 Stainless Steel

201 Stainless steel is a new kind of **Austenite stainless steel** by used Mn, N replace Ni. The steel has good corrosion resistance and hot / cold processing performance, instead of **304 stainless steel products** for used in the not high of corrosive environment, such as indoor, inland city outdoor etc.

1. Specialty and Applications

Steel Type	201 Stainless steel
Specialty	-- After solid solution treatment has high strength, toughness and wear resistance; Economical, low Ni components to ensure the cost advantage
Applications	-- 201 Stainless Steel mainly used in decorated tube, Industrial tube and other shallow tensile product. Such as shallow processed pan, Indoor stair handrail, elevator etc

2. Chemical Composition (Unit: WT%)

Specification	C	Mn	Cr	Ni	Cu	other
200 series	≤0.10	7.0-10.5	13.0-17.0	0.5-3.0	1.0-3.0	N: 0.1-0.3

3. Mechanical Property

Specification	YS (Mpa)	TS (Mpa)	EL (%)	HV	REMAK
200 series	426	880	52	224	1.0t
304	285	710	58	165	1.0t

4. Applications



Indoor stair handrail



Decorated tube

Visit <http://quanchang.en.alibaba.com/> or <http://zcysteel.en.made-in-china.com/> for more information.

400 Series

409 Stainless Steel

In order to improve the workability, weld ability and corrosion resistance, add Low Carbon and stabilizing elements, contained 11% Cr, remain completely BCC structure in high temperature and room temperature Ferrite heat resistant steel, maintain good processability and weldability, have the appropriate high temperature resistant properties and corrosion resistance at room temperature, the main purpose is to heat equipment of raw materials.

1. Specialty and Applications

Steel Type	409 Stainless steel
Specialty	-- High temperature strength and high temperature corrosion resistance and weldability
Applications	-- Auto exhaust parts (front pipes, convert shells, center pipes, tailpipes),Heat exchangers,Containers,Heat-resistant components,etc.

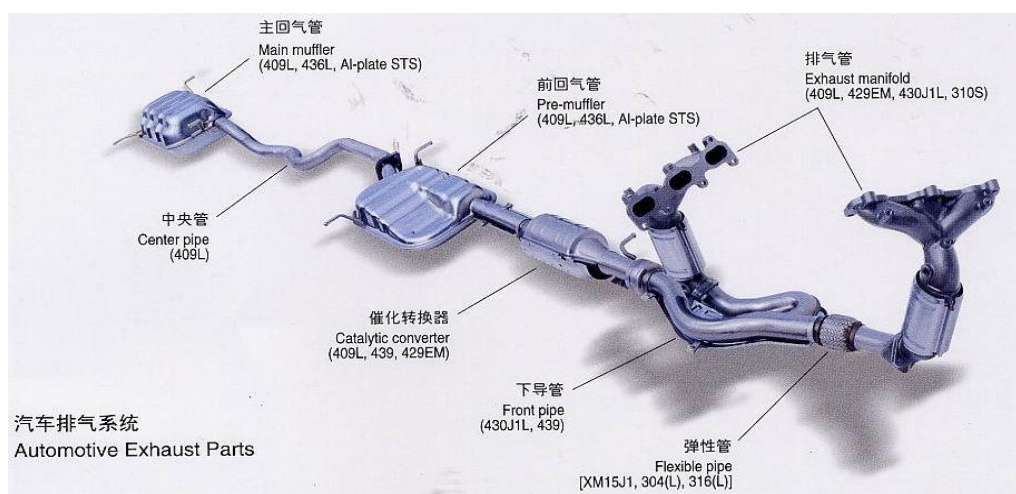
2. Chemical Composition (Unit: WT%)

Specification	C	Si	Mn	P	S	Cr	other
409	≤0.030	≤1.00	≤1.00	≤0.040	≤0.030	10.50~11.75	Ti: 6xC%-0.75

3. Mechanical Property

Specification	YS (Mpa)	TS (Mpa)	EL (%)	Hv
409	≥175	≥360	≥25	≤175

4. Applications



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400 Series

410 Stainless Steel

410 Stainless Steel is a representative type of Martensitic stainless steel. It has superior drawability and hardened through heat treatment.(magnetic)

1. Specialty and Applications

Steel Type	410 Stainless Steel
Specialty	-- The abrasive resistance, Bending machining, welding
Applications	-- Frozen Container Frame and outer pack material, automobile exhaust pipe (below 800 °C), thermal equipment parts

2. Chemical Composition (Unit: WT%)

Specification	C	Si	Mn	P	S	Cr
410	≤0.030	≤1.00	≤1.00	≤0.040	≤0.030	11.00~13.50

3. Mechanical Property

Specification	YS (Mpa)	TS (Mpa)	EL (%)	Hv
410	≥195	≥360	≥22	≤200

4. Applications



Knife Blades



Machinery Parts



Tableware Cutlery

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400 Series

430 Stainless Steel

430 stainless steel strip is a representative Ferrite **stainless steel**. It has low thermal expansion coefficient, excellent oxidation resistance.

1. Specialty and Applications

Steel Type	430 Stainless Steel
Specialty	-- The thermal expansion coefficient is lower than Austenite , the excellent oxidation resistance is better than Austenite .
Applications	-- Heat resistant products, Home appliances, Computer components(hdd), Flatware, interior and exterior materials for architecture, etc.

2. Chemical Composition (Unit: WT%)

Specification	C	Ni	Cr	Mo	other
430	≤0.12	—	16.0-18.0	—	—

3. Mechanical Property

Specification	YS (Mpa)	TS (Mpa)	EL (%)	HV	REMARK
430	303	527	28	150	0.4t

4. Applications



Microwave Oven



Gas Range Stove



Washing machine drums

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