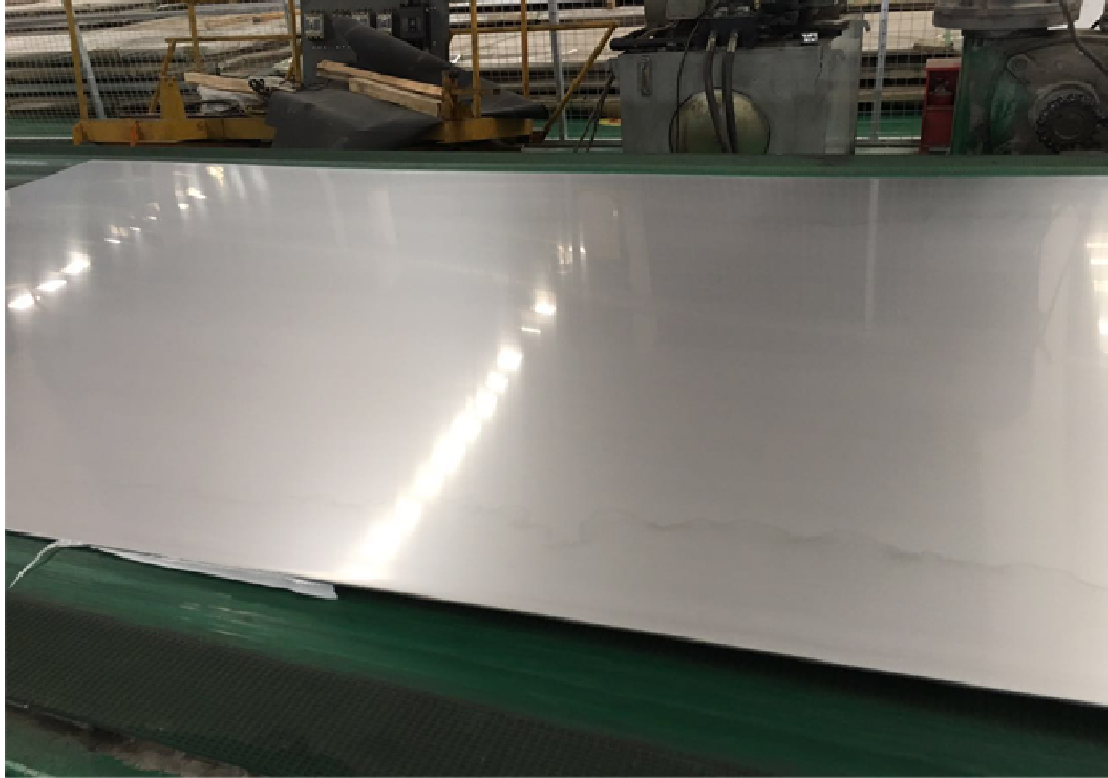




Wuxi SDO stainless steel Co., Ltd

420J2 Stainless Steel Sheet



420J2 stainless steel, also called 3Cr13 steel, is martensitic stainless steel, used after quenching and tempering. Compared with 1Cr13 and 2Cr13 steel, 420J2 stainless steel has higher strength, hardness and hardenability, but its corrosion resistance and thermal stability below 700°C are lower than that of 1Cr13 and 2Cr13 steel. It has good cutting performance in the annealed state. The hardness of 420J2 stainless steel after heat treatment is only HRC52-55, but the performance of various aspects such as damage resistance is not outstanding. Because it is easier to cut and polish, it is suitable for mass production of factory-made knives. 420J2 stainless steel is also ideal steel for the production of diving knives because of its low carbon content and excellent rust resistance. Wuxi SDO [stainless steel factory](#) can provide various stainless steel products to meet your needs.

420J2 Stainless Steel Sheet Specification

Item	Stainless Steel 420J2 sheet (Hot rolled, Cold rolled)
Thickness	0.3~10.0mm

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Width	1000mm, 1219mm, 1500mm, 1800mm, 2000mm, 2500mm, 3000mm, 3500mm, etc
Length	2000mm, 2440mm, 3000mm, 5800mm, 6000mm, etc
Standard	JIS, AISI, ASTM, GB, DIN, EN, etc
Surface	2B, 2D, BA, NO.1, NO.4, NO.8, 8K, mirror, checkered, embossed, hair line, sand blast, Brush, etching, etc
Package	Shrink-wrapped, Carton boxes, Wooden pallets, Wooden boxes, Wooden crates Etc.
Edge	Mill Edge Slit Edge
Export to	India, Indonesia, Malaysia, Singapore, Saudi Arabia, Qatar, UAE, Iran, Iraq, Oman, South Africa, Nigeria, Kenya, Italy, UK, Brazil, Russia, Egypt, Kuwait, Taiwan, Australia.

Chemical Elements Of 420j2 Stainless Steel Sheet

Chemical Components			Specificatio n	Key Features	Typical Applicatio n
element	Minimum percentag e	Maximum percentag e	ASTM A240 ISO 15156-3 (NACE MR0175) BS EN 10088-3	The corrosion resistance at higher temperatures is better than that of 316 stainless steel.	Chemical processing . spring. fastener. Threaded insert. Metal mesh
C	–	0.08			
Si	–	1			
Mn	–	2			
P	–	0.045			
S	–	0.03			
Cr	16.5	18.5			
Mo	2	2.5			
Ni	10.5	13.5			
Ti	5 x C	0.7			
Fe	bal				
Density	7.9 g/cm ³			0.285 lb/in ³	
Melting	1375°C			2500°F	

point		
Coefficient of expansion	16.5 $\mu\text{m/m } ^\circ\text{C}$ (21 – 100 $^\circ\text{C}$)	9.110 x 10 ⁻⁶ in/in $^\circ\text{F}$ (70 – 212 $^\circ\text{F}$)
Rigid modulus	74 kN/mm ²	10730 ksi
Modulus of elasticity	193 kN/mm ²	27990 ksi

Processing Service Of Our 420j2 Stainless Steel Sheet

- **Cutting+Slitting - 420J2 stainless steel narrow strip, special length/width plate**

(1) Flame cutting: The cost of flame cutting equipment is low and it is the only economical and effective means to cut thick metal plates, but it has its shortcomings in thin plate cutting.

(2) Laser cutting: Laser cutting equipment can cut stainless steel plates below 30mm. Adding oxygen to the laser beam can cut 40mm thick carbon steel, but after oxygen cutting, a thin oxide film will be formed on the cutting surface.

(3) Wire cutting: It is developed on the basis of EDM perforation and forming. It has not only developed the application of EDM but also replaced EDM perforation and forming in some aspects.

(4) Shearing cutting: Uses a moving upper blade and a fixed lower blade and uses a reasonable blade gap to apply shearing force to metal plates of various thicknesses so that the plates can be broken and separated according to the required size. Shearing machine is a kind of forging machinery, and its main function is the metal processing industry.

(5) Plasma cutting : It is a processing method that uses the heat of a high-temperature plasma arc to partially or partially melt (and evaporate) the metal at the incision of the workpiece and uses the momentum of the high-speed plasma to remove the molten metal to form an incision.

(6) Slitting: Also known as slitting, refers to the process of uncoiling, slitting, leveling, and winding of stainless steel coils into coils of the required width.

- **Surface processing - 8K mirror, HL hairline, color coating**

- **Bending+Welding - OEM customized products as drawing**

Application Of 420J2 Corrosion Resistant Stainless Steel Sheet

✓	420J2 Stainless Steel sheet Used in Tractor
✓	420J2 Stainless Steel sheet Used in Automotive Trim
✓	420J2 Stainless Steel sheet Used in Stamped Machined Products
✓	420J2 Stainless Steel sheet Used in Stamped Machined Products
✓	420J2 Stainless Steel sheet Used in Cookware
✓	420J2 Stainless Steel sheet Used in Appliances
✓	420J2 Stainless Steel sheet Used in Kitchen
✓	420J2 Stainless Steel sheet Used in Foodservice Equipment
✓	420J2 Stainless Steel sheet Used in Sinks
✓	420J2 Stainless Steel sheet Used in Railway Cars
✓	420J2 Stainless Steel sheet Used in Trailers

420J2 Stainless Steel Sheet Processing

- 420J2 Stainless Steel Sheet Cutting
- 420J2 Stainless Steel Sheet Slitting
- 420J2 Stainless Steel Sheet Color coating
- 420J2 Stainless Steel Sheet Hairline/Brush
- 420J2 Stainless Steel Sheet Etching
- 420J2 Stainless Steel Sheet Welding
- 420J2 Stainless Steel Sheet Bending
- 420J2 Stainless Steel Sheet Embossing
- 420J2 Stainless Steel Sheet Bead Blasted
- 420J2 Stainless Steel Sheet Polishing

420J2 Stainless Steel sheet Stock Available

Tisco Stainless Steel 420J2 sheet	Stainless Steel 420J2 sheet	Jindal Stainless Steel 420J2 sheet
SS 420 J2 Perforated sheet	A 240 420J2 sheet	SS DIN 1.4571 sheet
Stainless Steel 420J2	SS 420J2 Embossed sheet	ThyssenKrupp Stainless

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UNS S31635 sheet		Steel 420J2 sheet
A 240 Chequered 420J2 sheet	Outokumpu SS 420J2 sheet	ASTM A240 Stainless Steel 420J2 sheet
Aperam Stainless Steel 420J2 sheet	SA 240 420J2 Stainless Steel sheet	Surface Polishing SS 420J2 sheet
420J2 Stainless Steel HR sheet	Bright Hammered Pattern Decorative SS 420J2 sheet	420J2 Stainless Steel Blank sheet
420J2 Stainless Steel Chequered sheet	420J2 Stainless Steel CR sheet	420J2 Stainless Steel Perforated sheet
420J2 Stainless Steel Golden Laser Pattern sheet	420J2 Stainless Steel 2B sheet	Embossed ss 420J2 sheet
Super thin-Mirror surface BA ss 420J2 sheet	420J2 Stainless Steel B. Q. Profile sheets	Cheap cold rolled ss 420J2 sheet with best price
Super Austenitic SS 420J2 sheet	Best selling 4'x8' mirror finished ss 420J2 sheet	Brush finish ss 420J2 sheet price list
ASTM A240 420J2 sheet	Decorative hairline inox cold rolled ss 420J2 sheet	SS URANUS B6 420J2 sheet
JMSS cold rolled ss 420J2 sheet	Hair Line Finish SS 420J2 sheet	2B SUS SS 420J2 sheet
Cold Rolled No.1 Finish SS 420J2 sheet	Laser cutting ss 420J2 sheet	Food Grade Stainless Steel 420J2 sheet
SEW 400 Stainless Steel 420J2 sheet	Tisco Supplier 3mm Thickness Stainless Steel 420J2 sheet	No. 4 PVC Coated SS 420J2 sheet
Hot Rolled Stainless Steel 420J2 sheet	Decorative Stainless Steel 420J2 sheet	SS 420J2 sheet Blasted Tin-Gold Rose
Sales Promotion SS 420J2 sheet	Scotch Brite SS 420J2 sheet	2mm ASTM SS 420J2 sheet
Cr Stainless Steel 420J2 sheet	Baosteel Stainless Steel 420J2 sheet	Stainless Steel Corrugated 420J2 sheet
SS 420J2 Mill Test Certificate sheet	Stainless Steel Cladding 420J2 sheet	ASTM B625 420J2 sheet
ASTM A240 420J2 sheet	Black SS 420J2 sheet 4mm Thick	Brushed or dull polished Stainless Steel 420J2 sheet

Cold rolled, bright annealed 420J2 sheet	Bright-pickled Stainless Steel 420J2 sheet	Cold rolled, heat treated, pickled 420J2 sheet
Ground Stainless Steel 420J2 sheet	Cold rolled, heat treated 420J2 sheet	10K Mirror Finish Surface SS 420J2 sheet
Hot Selling AISI SS 420J2 sheet	3mm Cold Rolled AISI SS 420J2 sheet	Gold Etched SS 420J2 sheet
SS 420J2 Rose Golden sheet	Mill Supply SS 420J2 sheet	18 Gauge SS 420J2 sheet
Surface coated Stainless Steel 420J2 sheet	Grade Prime SS 420J2 sheet	Patterned Stainless Steel 420J2 sheet
Satin finish Stainless Steel 420J2 sheet	Carpenter Custom 450 Stainless Steel 420J2 sheet	Finish Stainless Steel 420J2 sheet
AISI stainless steel 420J2 armor sheet	Cut to Size Stainless Steel 420J2 sheet	Patterned Stainless Steel 420J2 sheet
Satin finish Stainless Steel 420J2 sheet	Non Magnetic Polishing Stainless Steel 420J2 sheet	Passenger Elevator Cabin SS 420J2 sheet
Mirror Finish SS 420J2 sheet	ASME SA240 420J2 sheet	SS 420J2 sheet Gold Brush Finish