



S42200

<https://www.steelss.com>

High Quality Special Steel Supplier

+86-13880247006 E-mail:sales@steelss.com

S42200

Martensitic Chromium Molybdenum Nickel Wolfram Stainless Steel (422) S42200 steel chemical information,mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, We can produce round bars, forged rings, forged cakes, flat bars, tubes, sheets, plates, steel wires, steel strips, steel coils, etc. The size can be customized, the maximum order quantity is 100Kg. It also contains the use of **S42200**,such as it is commonly used in bars, sheet,plates, steel coils, steel pipes,forged and other materials application.

Data Table for Materials Stainless Steels Martensitic Chromium Molybdenum Nickel Wolfram Stainless Steel (422) S42200

S42200 Standard Number

ITEM	Standard Number	Descriptions
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S42200 Chemical composition(mass fraction)(wt.%)

Chemical	Min.(%)					Max.(%)				
C	0.20					0.25				
Mn	0.50					1.00				
Si						0.50				
P						0.025				
S						0.025				
Cr	11.00					12.50				
Ni	0.50					1.00				
Mo	0.90					1.25				
W	0.90					1.25				
V	0.20					0.30				
C	Si	Mn	P	S	Cr	Ni	Mo	V	Ta	



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W	N	Cu	Co	Pb	B	Nb	Al	Ti	Other

S42200 Physical Properties

Tensile strength	115-234	b/MPa
Yield Strength	23	0.2 /MPa
Elongation	65	5 (%)
	-	(%)
Akv	-	Akv /J
HBS	123-321	-
HRC	30	-

S42200 Mechanical Properties

Tensile strength	231-231	b/MPa
Yield Strength	154	0.2 /MPa
Elongation	56	5 (%)
	-	(%)
Akv	-	Akv /J
HBS	235-268	-
HRC	30	-

S42200 Heat Treatment Regime

Annealing	Quenching	Tempering	Normalizing	Q & T
?	?	?	?	?

S42200 Range of products

Product type	Products	Dimension	Processes	Deliver Status
Plates / Sheets	Plates / Sheets	0.08-200mm(T)*W*L	Forging, hot rolling and	Annealed, Solution and



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			cold rolling	Aging, Q+T, ACID-WASHED, Shot Blasting
Steel Bar	Round Bar, Flat Bar, Square Bar	8-1200mm*L	Forging, hot rolling and cold rolling, Cast	Black, Rough Turning, Shot Blasting,
Coil / Strip	Steel Coil /Steel Strip	0.03-16.0x1200mm	Cold-Rolled & Hot-Rolled	Annealed, Solution and Aging, Q+T, ACID-WASHED, Shot Blasting
Pipes / Tubes	Seamless Pipes/Tubes, Welded Pipes/Tubes	OD:6-219mm x WT:0.5-20.0mm	Hot extrusion, Cold Drawn, Welded	Annealed, Solution and Aging, Q+T, ACID-WASHED

We can produce Stainless Steels the specifications follows: