

This page is mainly introduced the 022Cr18Ni14Mo3 Datasheet, including chemical information,mechanical properties, physical properties, mechanical properties, heat treatment, and Micro structure, etc. It also contains the use of 022Cr18Ni14Mo3,such as it is commonly used in bars, sheet,plates, steel coils, steel pipes,forged and other materials application.

## Datasheet for Steel Grades Special Alloy 022Cr18Ni14Mo3

	022Cr18Ni14Mo3 Standard Number:				
ITEM Standard Number Descriptions					

022Cr18Ni14Mo3 Chemical composition(mass fraction)(wt.%)									
Chemical Min.(%)							Max.(%)		
С	Si	Mn	Р	S	Cr	Ni	Мо	V	Та
0.03	1.0	2.0	0.025	0.01	17.0-19.0	13.0-15	.0 2.25-3.5		
W	N	Cu	Co	Pb	В	Nb	Al	Ti	Other
	0.1	0.5							

This standard specifies the stainless steel rods order contents, classification, code, size, shape, weight and allowable deviation, technical requirements, test methods, inspection rules, packaging, logo and certificate of quality. This standard applies to the size is not more than 250 mm hot rolled and forged stainless steel rods. The supply and demand both sides talks things over, can also supply the size larger than 250 mm hot rolled and forged stainless steel rods.

022Cr18Ni14Mo3 Physical Properties					
Tensile strength	115-234	σb/MPa			
Yield Strength	23	σ 0.2 ≥/MPa			
Elongation	65	δ5≥ (%)			
Ψ	-	ψ≥ (%)			
Akv	-	Akv≥/J			
HBS	123-321	-			



## $Steel\ Grades 022 Cr 18 Ni 14 Mo 3\ \ Chemical\ information, Mechanical\ properties$

Physical properties, Mechanical properties, Heat treatment, and Micro structure

HRC	30	-
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022Cr18Ni14Mo3 Mechanical Properties					
Tensile strength	231-231	σb/MPa			
Yield Strength	154	σ 0.2 ≥/MPa			
Elongation	56	δ5≥(%)			
Ψ	-	ψ≥(%)			
Akv	-	Akv≥/J			
HBS	235-268	-			
HRC	30	-			

022Cr18Ni14Mo3 Heat Treatment Regime							
Annealing	Annealing Quenching Tempering Normalizing Q & T						
√	√	√	V	√			

022Cr18Ni14Mo3 Range of products						
Product type	Products	Dimension	Processes	Deliver Status		
Plates / Sheets	Plates / Sheets	0.08-200mm(T)*W*L	Forging, hot rolling and cold rolling	Annealed, Solution and Aging, Q+T, ACID- WASHED, Shot Blasting		
Steel Bar	Round Bar, Flat Bar, Square Bar	Φ8-1200mm*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 Special Alloy the specifications follows: