

key advantages to you, our customer



0.025mm to 21mm (.001" to .827")



Order 3m to 3t (10 ft to 6000 Lbs)



Delivery: within 3 weeks



Wire to your spec



E.M.S available



Packaging



IMPORTANT

Round wire Bars or lengths

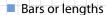
Flat wire

Shaped wire Rope/Strand

We will manufacture to your required mechanical properties.

STAINLESS STEEL 321 available in:-

- Spools





STAINLESS STEEL 321





Chemical Composition			Specifications	Key Features	Typical Applications
Element	Min %	Max %	ASTM A313	Similar composition to 304 Stainless Steels	Refinery Equipment
С	-	0.08	ASTM A240 ASTM A479	but with addition of Titanium	Heat Exchangers
Mn	-	2.00	BS EN 10088-3:2014	Good creep and oxidation resistance make this a cost effective material for a number of applications	Engineered components
Р	-	0.04			Food Processing
_					Waste Treatment
S	-	0.03	Designations		
Si	0.40	1.00	W.Nr. 1.4541		
Cr	17.00	19.00	UNS S32100 AWS 133		
Ni	9.50	12.00	AW3 133		
N	-	0.10			
Мо	-	0.50			
Ti	5 x C	0.70			
Fe	Fe BAL				

Density	8.03 g/cm ³	0.29 lb/in ³	
Melting Point	1370 ℃	2500 °F	
Coefficient of Expansion	16.6 μm/m °C (20 – 100 °C) 9.2 x10 ⁻⁶ in/in °F (70 – 212 °F)		
Modulus of Rigidity	78 kN/mm²	11300 ksi	
Modulus of Elasticity	193 kN/mm²	28000 ksi	

Heat Treatment of Finished Parts							
Condition of sumplied by Alley Wive	Turno	Temperature		Time a (Un)	Caalina		
Condition as supplied by Alloy Wire	Туре	°C	°F	Time (Hr)	Cooling		
Annealed or Spring Temper	Stress Relieve	450	840	1	Air		

Properties							
Condition	Approx. tensile strength		Approx. operating temperature				
Condition	N/mm²	ksi	°C	°F			
Annealed	<800	<116	-200 to +300	-330 to +570			
Spring Temper	1300 – 2200	189 – 319	-200 to +300	-330 to +570			

 $\label{thm:continuous} The above tensile strength \ ranges \ are \ typical. \ If you \ require \ different \ please \ ask.$





