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Hastelloy C22 Round Bar:



Jignesh Steel is a [ASTM B574 Hastelloy C22 Round Bar](#) manufacturers, suppliers and stockists, delivering to the whole of the world. We are having largest inventory & **ready stock of around 200 tons** of **ASTM B574 Hastelloy C22 Round Bar** in different size, grades & cuts. Our manufacturing program is supported by intensive in-house product inspection and testing and accredited to meet all the most recognized international standards, including **ISO 9001:2008**

Jignesh Steel specializes in [ASTM B574 Hastelloy C22 Round Bar](#) .With years of experience in manufacturing **ASTM B574 Hastelloy C22 Round Bar** we offer high quality, lower cost but the best service. As a result to that our export account today is in **over 45 countries** some of them are [United States](#), [United Arab](#)

[Emirates](#), [Canada](#), [Pakistan](#), [Spain](#), [France](#), [United Kingdom](#), [Indonesia](#), [Iran](#), [Kuwait](#), [Mexico](#), [Malaysia](#), [Nigeria](#), [Singapore](#), [Saudi Arabia](#), [Netherlands](#), [Brazil](#), [Colombia](#), [Egypt](#), [Iraq](#), [Sri Lanka](#), [Russia](#), [Vietnam](#), [South Africa](#), [Nigeria](#), [Turkey](#), [Bangladesh](#), [Italy](#), [Japan](#), [Thailand](#), [Hong Kong](#), [Switzerland](#), [New Zealand](#) We welcome your inquiries.

We are specialized in offering precision engineered [hastelloy](#), which are used in various engineering applications and can be availed in various grades like [B2](#), [B3](#), [C22](#), [C276](#) these grades are available in the form of [hastelloy Round Bar](#)

What is Hastelloy C22 Round Bar ?



[Hastelloy C22](#), also known as [alloy C22](#), is a versatile austenitic nickel-chromium-molybdenum-tungsten alloy with enhanced resistance to pitting, crevice corrosion and stress corrosion cracking. The high chromium content provides good resistance to oxidizing media while the molybdenum and tungsten content give good resistance to reducing media. This nickel steel alloy also has excellent resistance to oxidizing aqueous media including wet chlorine and mixtures containing nitric acid or oxidizing acids with chlorine ions. Other corrosives [Hastelloy C-22](#) has resistance to are oxidizing acid chlorides, wet chlorine, formic and acetic acids, ferric and cupric chlorides, sea water, brine and many mixed or contaminated chemical solutions, both organic and inorganic.

What are the characteristics of Hastelloy C22?

- Resistant to pitting, crevice corrosion and stress corrosion cracking
- Outstanding resistance to both reducing and oxidizing media
- Excellent resistance to oxidizing aqueous media

- Exceptional resistance to a wide variety of chemical process environments including strong oxidizers such as ferric acids, acetic anhydride, and seawater and brine solutions
- Resists the formation of grain-boundary precipitates in the weld heat-affected zone
- Excellent weldability

[Jignesh Steel](#) is a renowned manufacturer in India and oldest supplier of [hastelloy roundbar](#) Specialty bar like [ASTM B574 Hastelloy C22 Round Bar](#) are what make us stand out from the crowd. We are the only company in INDIA with over **200 tons stock** of **hastelloy roundbar**. We have bar in ready stock upto **4 mm To 350 mm DIA** in various shape. We at Jignesh Steel, we maintain various sizes in stock of [ASTM B574 Hastelloy C22 Round Bar](#)

ASTM B574 Hastelloy C22 Round Bar Chemical Composition

C	Cr	Co	Fe	Mn	Mo	Ni	P	Si	S	W	V
.010 max	20- 22.5	2.5 max	2.0- 6.0	.50 max	12.5- 1 4.5	Balance	.02 max	.08 max	02 max	2.5- 3.5	.35 max

ASTM B574 Hastelloy C22 Round Bar Mechanical Properties

Alloy and state	tensile strength	Yield Strength	Extensibility
	Rm N/mm2	RPO.2N/mm2	A5%
Hastelloy C22	690	283	40

ASTM B574 Hastelloy C22 Round Bar Physical Properties

Property	Temperature	Value	Units
Density	N/A	0.314	lb/in ³
		8.69	g/cm ³
Modulus of Elasticity	N/A	29.9 x 10 ⁶	psi
		206,000	MPa
Melting Range	N/A	2475 to 2550	°F
		1357 to 1399	°C
Thermal Conductivity	118°F	70	Btu·in/ft ² hr·°F
	48°C	48	W/mK
Coefficient of Expansion	75 to 200°F	6.9	μin/in·°F
	24 to 93°C	12.4 x 10 ⁻⁶	m/m·K
Specific Heat Capacity	126°F	0.099	Btu/lb·°F
	52°C	414	J/kg·K
Electrical Resistivity	75°F	44.8	microhm·in
	24°C	1.14	microhm·m

Hastelloy Round bar Available Stock

- [Hastelloy B2 Round Bar](#)
- [Hastelloy B3 Round Bar](#)
- [Hastelloy C22 Round Bar](#)
- [Hastelloy C276 Round Bar](#)

Special offer on Hastelloy C22 Round Bar



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