

Metals And Welding Specialities is a leading manufacturer and supplier of **Hastelloy B-3 Welding Electrodes**, known for their outstanding performance in corrosive environments and exceptional weld quality. These electrodes are designed to meet the rigorous demands of industries that handle strong reducing agents and harsh chemical processes. The **Hastelloy B-3** alloy offers superior resistance to hydrochloric acid, sulfuric acid, acetic acid, and phosphoric acid, making it a trusted choice for chemical and petrochemical industries worldwide.



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The **UNS N10675** and **ASTM B333 Grade B-3** designations ensure that these electrodes meet international metallurgical standards. Metals And Welding Specialities produces Hastelloy B-3 electrodes that exhibit enhanced thermal stability and mechanical strength, even after prolonged exposure to elevated temperatures. The unique composition of nickel, molybdenum, and trace alloying elements helps maintain corrosion resistance while preventing unwanted phase formations during welding. These properties make **Hastelloy B-3 Welding Electrodes** a superior upgrade over previous versions such as B-2, offering improved fabricability and reliability in welded joints.



Hastelloy B-3 Welding Electrodes, Hastelloy B-3 Welding Electrodes Manufacturers, Hastelloy B-3 Welding Electrodes Suppliers, Hastelloy B-3 Welding Electrodes Stockists, Hastelloy B-3 Welding Electrodes Exporters

Our **Hastelloy B-3 Welding Electrodes** are widely used in applications where exceptional resistance to pitting, stress corrosion cracking, and knife-line attack is required. They are ideal for joining Hastelloy B-3 and similar nickel-molybdenum alloys in pressure vessels, heat exchangers, evaporators, and piping systems exposed to aggressive chemical media. The smooth arc stability and easy slag removal make them efficient for both manual and automated welding processes, ensuring consistent and clean weld deposits with minimal spatter.

At Metals And Welding Specialities, we maintain strict quality standards in every stage of manufacturing—from raw material selection to coating formulation and final inspection. Our electrodes comply with **AWS A5.11 ENiMo-10** specifications, guaranteeing performance consistency and compliance with global welding standards. The advanced coating formulation of these electrodes ensures uniform metal transfer, deep penetration, and low hydrogen content, reducing the risk of weld defects and enhancing durability.



Hastelloy B-3 Welding Electrodes in India, Hastelloy B-3 Welding Electrodes Manufacturers in India, Hastelloy B-3 Welding Electrodes Suppliers in India, Hastelloy B-3 Welding Electrodes Stockists in India, Hastelloy B-3 Welding Electrodes Exporters in India

Customers across industries such as chemical processing, pharmaceuticals, marine engineering, and pollution control trust Metals And Welding Specialities for reliable **Hastelloy B-3 Welding Consumables** that deliver exceptional strength and corrosion resistance in challenging environments. With our technical expertise and commitment to excellence, we provide welding solutions that enhance plant performance and extend equipment life.

For superior corrosion protection, long service life, and consistent weldability, choose **Metals And Welding Specialities Hastelloy B-3 Welding Electrodes** – engineered to perform where other materials fail.

Specification Hastelloy B-3 Welding Electrodes



Classification	AWS A5.11, ENiMo-10
Form	Welding Electrode, Welding Rods
Type Of Current	Direct Current Electrode Positive (DCEP)
Diameters	3/32", 1/8", 5/32", 3/16" or 2.5mm, Ø 3.2mm, Ø 4.0mm, Ø 5.0mm
Size	2.0mm ∞ 5.0mm
AC/DC+	50-80, 80-110, 100-135, 140-180
Welding Positions	All positions 5/32" & 3/16" recommended for use in flat & horizontal positions only (F, V, OH, H)

HASTELLOY B-3 Welding Electrodes Application & uses

Petroleum
Chemical plant
Power sector
Gas Industry
Hardware tools
Metallurgy
Machinery
Construction
Shipbuilding

Equivalent Grade Of Hastelloy B-3 Welding Electrodes



Class	UNS	Haynes
ENiMo-10	W860675	HASTELLOY B-3

Hastelloy B-3 Welding Electrodes Chemical Composition



Nickel:	Balance
Molybdenum:	27.0-32.0
Iron:	1.0-3.0
Chromium:	1.0-3.0
Cobalt:	3.0 max.
Tungsten:	3.0 max.
Manganese:	2.0 max.
Copper:	0.50 max.
Other:	0.50 max.
Silicon:	0.20 max.
Carbon:	0.02 max.
Sulfur:	0.03 max.
Phosphorus:	0.04 max.

People Also Searched

Hastelloy B-3 welding rod, Hastelloy B-3 filler metal, Hastelloy B-3 electrode price, UNS N10675 electrode supplier, ASTM B333 Grade B-3 rod, ENiMo-10 welding electrode, Nickel molybdenum welding electrode, Hastelloy B3 welding wire, Hastelloy B3 chemical composition, Hastelloy B3 welding procedure, Hastelloy B3 mechanical properties, Hastelloy B3 corrosion resistance, Hastelloy B3 electrode manufacturer, Hastelloy B3 electrode exporter, Hastelloy B3 electrode distributor, Nickel alloy coated

electrodes, High corrosion resistant electrodes, Hastelloy B3 welding consumables, Welding electrodes for hydrochloric acid, Hastelloy B3 vs B2, Hastelloy B3 electrode specification, Nickel alloy welding rods, Hastelloy B3 TIG welding, UNS N10675 welding filler, Hastelloy B3 welding applications, Hastelloy B3 welding standards, Hastelloy B3 material grade, ASTM B333 electrode specification, Hastelloy B3 chemical plant usage, Hastelloy B3 electrode datasheet, Hastelloy B3 price per kg, Hastelloy B3 welding metallurgy, ENiMo-10 Hastelloy electrode, Hastelloy B3 industrial welding solution, Metals And Welding Specialities Hastelloy electrodes, Hastelloy B3 electrode for chemical industry, Nickel alloy electrode UNS N10675