

Metals And Welding Specialities is a trusted supplier of high-performance welding consumables, offering the finest quality **E8018-B6 Welding Electrodes** for industrial applications. These electrodes are designed for welding alloy steels that require outstanding creep resistance, corrosion protection, and strength at elevated temperatures. Known for their reliability, the **E8018-B6 electrodes** are manufactured to comply with universal standards such as **ASTM A335 Grade P91** and carry the identification **UNS K90941**, ensuring compatibility with critical applications in the energy, oil and gas, petrochemical, and power generation industries.



Table Of Content

- [What is E8018-B6 Welding Electrodes?](#)
- [Specification of E8018-B6 Welding Electrodes](#)
- [Equivalent Grade Of E8018-B6 Welding Electrodes](#)
- [Chemical Composition of E8018-B6 Welding Electrodes](#)
- [E8018-B6 Welding Electrodes Parameters](#)
- [People Searched for E8018-B6 Welding Electrodes](#)
- [Supply Cities of E8018-B6 Welding Electrodes](#)
- [Export Countries of E8018-B6 Welding Electrodes](#)

The **AWS E8018-B6 coated electrodes** are widely recognized for their smooth arc performance, excellent slag removal, and minimal spatter, which improves welding efficiency and reduces cleanup time. Their special composition provides resistance against hydrogen embrittlement, making them suitable for joining materials where strength and toughness are essential. Metals And Welding Specialities guarantees that these electrodes meet rigorous international standards, offering welders a dependable solution for producing high-quality weld joints under demanding service conditions.



E8018-B6 Welding Electrodes, E8018-B6 Welding Electrodes Manufacturers, E8018-B6 Welding Electrodes Suppliers, E8018-B6 Welding Electrodes Stockists, E8018-B6 Welding Electrodes Exporters

Engineered for performance in high-pressure and high-temperature environments, **UNS K90941 electrodes** are primarily used in piping systems, boilers, superheaters, and heat exchangers. The electrodes are particularly effective in welding 5% Chromium and 0.5% Molybdenum steels, where long-term service at elevated temperatures is expected. Their unique chemical balance not only ensures superior tensile strength but also excellent resistance to scaling and oxidation, prolonging the life of welded structures. Metals And Welding Specialities provides these electrodes in various sizes to meet the diverse needs of industries worldwide. Customers rely on us for consistent quality, strict adherence to international welding standards, and prompt delivery schedules. Whether the requirement is for fabrication, repair, or maintenance of alloy steel components, the **E8018-B6 Welding Electrodes** from Metals And Welding Specialities remain a preferred choice for professionals who prioritize performance and durability.



E8018-B6 Welding Electrodes in India, E8018-B6 Welding Electrodes Manufacturers in India, E8018-B6 Welding Electrodes Suppliers in India, E8018-B6 Welding Electrodes Stockists in India, E8018-B6 Welding Electrodes Exporters in India

By supplying electrodes that conform to **ASTM A335 Grade P91** specifications, Metals And Welding Specialities ensures customers achieve welds with low impurity levels, reduced cracking risks, and enhanced service reliability. With a focus on superior manufacturing processes and quality assurance, our electrodes consistently outperform conventional products in high-stress operating environments.

Metals And Welding Specialities continues to be recognized as a reliable partner for industries seeking the most efficient and durable welding solutions. With a commitment to precision and performance, our **E8018-B6 electrodes** deliver the strength and dependability that complex industrial projects demand.

Specification E8018-B6 Welding Electrodes



Classification	AWS A5.5, E8018-B6
Form	Welding Electrode, Welding Rods
Type Of Current	AC-DCEP (Direct Current Electrode Positive)
Welding Position	F, V, OH, H
Size	2.0 mm, 2.50 mm, 3.15 mm, 4.00 mm, 5.0 mm
AC/DC+	AC or DC (+)
JIS Specification	BS 2926 19.9 A R
Other Specification	DIN 8556 E19 9 R 23 A

AWS A5.4, E8018-B6 Coated Electrodes Application & uses

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

Equivalent Grade Of E8018-B6 Welding Electrodes



Class	UNS	Oxford Alloys	BOHLER
E8018-B6	W50218	Alloy 8018-B6	BOHLER FOX CM 5 KB

E8018-B6 Welding Electrodes Chemical Composition



C	Mn	Si	P	S	Cr	Mo
0.05-	0.90	0.80	0.03	0.03	1.00-	0.40-
0.12	max	max	max	max	1.50	0.65

E8018-B6 Welding Electrodes Parameters



Diameter		Process	Volt	Amps (flat)	Amps (V/OH)
in	(mm)				
3/32	(2.4)	SMAW	24-28	70-85	65-75
1/8	(3.2)	SMAW	26-30	85-110	80-90
5/32	(4.0)	SMAW	28-32	110-140	100-120
3/16	(4.8)	SMAW	28-32	120-160	110-130

People Also Searched

AWS E8018-B6, E8018-B6 welding electrode, UNS K90941, ASTM A335 Grade P91, ASTM A335 P91 electrode, E8018-B6 electrode supplier, low hydrogen electrode E8018-B6, alloy steel welding electrodes, E8018-B6 electrode chemical composition, creep

resistant welding electrode, high temperature welding electrode, E8018-B6 welding rod, P91 welding electrode, UNS K90941 welding rod, boiler welding electrode, E8018-B6 electrode mechanical properties, AWS A5.5 E8018-B6, Cr-Mo welding electrode, E8018-B6 electrode hardness, pressure vessel welding electrode, heat exchanger electrode, superheater welding rod, E8018-B6 electrode tensile strength, petrochemical welding electrode, E8018-B6 hydrogen controlled electrode, 5Cr-0.5Mo welding rod, ASTM A213 T91 electrode, E8018-B6 electrode applications, UNS K90941 consumables, E8018-B6 electrode price, E8018-B6 electrode distributor, power plant electrode, refinery electrode, E8018-B6 electrode stockist, Metals And Welding Specialities E8018-B6, E8018-B6 electrode standard, E8018-B6 electrode uses.