

Metals And Welding Specialities is a trusted supplier of high-performance welding consumables, including the widely used **E8018-B2 Welding Electrodes**. These electrodes, identified by **UNS W50218**, are manufactured to meet stringent industry standards and are designed for welding low-alloy Cr-Mo steels. With their consistent quality and reliable weld metal properties, these electrodes are ideal for applications requiring elevated temperature service, high mechanical strength, and excellent creep resistance.



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The **E8018-B2 welding electrodes** are engineered with a low-hydrogen potassium, iron powder coating that ensures smooth arc stability and low spatter. Their composition makes them especially suitable for welding steels conforming to **ASTM A335 P11**, **ASTM A182 F11**, and **ASTM A217 WC6** standards. These materials are commonly used in boilers, pressure vessels, power plants, petrochemical industries, and refineries, where durability and performance under high stress and temperature are essential.



E8018-B2 Welding Electrodes, E8018-B2 Welding Electrodes Manufacturers, E8018-B2 Welding Electrodes Suppliers, E8018-B2 Welding Electrodes Stockists, E8018-B2 Welding Electrodes Exporters

A standout feature of **E8018-B2 Welding Electrodes** is their ability to deliver superior creep resistance, making them highly effective in environments where long-term exposure to heat and pressure can degrade ordinary welds. The weld metal provides high toughness, reducing the risk of cracking and ensuring structural reliability in demanding service conditions. Furthermore, these electrodes offer excellent machinability, ensuring post-weld processing is efficient and cost-effective.

Metals And Welding Specialities ensures that every batch of **E8018-B2 electrodes** is manufactured with precision and complies with global quality standards. These electrodes are not just versatile in application but also compatible with different welding positions, offering welders flexibility and consistency in performance. The electrodes exhibit excellent slag detachability and smooth bead appearance, which enhances productivity while reducing cleanup time.



E8018-B2 Welding Electrodes in India, E8018-B2 Welding Electrodes Manufacturers in India, E8018-B2 Welding Electrodes Suppliers in India, E8018-B2 Welding Electrodes Stockists in India, E8018-B2 Welding Electrodes Exporters in India

Industries that rely on **AWS E8018-B2 welding rods** include power generation, petrochemical plants, refineries, and high-pressure piping systems. These electrodes are highly recommended for critical welding joints in high-temperature pipelines, turbine casings, heat exchangers, and steam headers. With their proven reliability, they provide cost-effective solutions for long-lasting and efficient welds.

Choosing Metals And Welding Specialities as your supplier guarantees not only the best quality **E8018-B2 coated electrodes** but also the assurance of technical expertise and support. As a company known for its customer-focused approach, Metals And Welding Specialities continues to provide products that meet global specifications and deliver performance excellence in every weld. When high-temperature performance and dependable strength matter most, Metals And Welding Specialities delivers E8018-B2 Welding Electrodes that exceed expectations and meet international welding standards.

Specification E8018-B2 Welding Electrodes



Classification	AWS A5.5, E8018-B2
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-B2 Coated Electrodes Application & uses

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

Equivalent Grade Of E8018-B2 Welding Electrodes



Class	UNS	Oxford Alloys	BOHLER
E8018-B2	W52018	Alloy 8018-B2	BOHLER FOX DCMS KB

E8018-B2 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-B2 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

ASTM A240 UNS S32205, AWS A5.4 E2209-16, ASTM A240 S31803, ASTM A240 UNS S32750, ASTM A240 UNS S32760, ASTM A240 UNS S31254, ASTM A240 UNS S32101, ASTM A240 UNS S32304, ASTM A240 UNS S32520, ASTM A240 UNS S32550,

ASTM A240 UNS S32707, ASTM A240 UNS S32900, ASTM A240 UNS S22253, ASTM A240 UNS S32501, ASTM A240 UNS S32615, ASTM A240 UNS S32003, ASTM A240 UNS S32001, ASTM A240 UNS S31600, ASTM A240 UNS S31603, ASTM A240 UNS S30400, ASTM A240 UNS S30403, ASTM A240 UNS N08904, ASTM A240 UNS N08367, ASTM A240 UNS N08926, ASTM A240 UNS N08825, ASTM A240 UNS N06625, ASTM A240 UNS N10276, ASTM A240 UNS N06022, ASTM A240 UNS N04400, ASTM A240 UNS N05500, ASTM A240 UNS N08810, ASTM A240 UNS N08811, ASTM A240 UNS N07718, ASTM A240 UNS R56400, ASTM A240 UNS R30188.