定州市金龙金属制品有限公司 DINGZHOU JINLONG METAL PRODUCTION CO., LTD



# **ELEVATE** Your Weld with Precision

PRODUCT CATALOG 2024-2025www.jinlong

# WELCOME TO OUR Product Catalog

**Dingzhou Jinlong Metal Products Co., Ltd.** is strategically situated in the bustling industrial zone of Dingzhou City, Hebei Province, China. As a leading manufacturer, we specialize in a comprehensive range of welding consumables, including electrodes, wires, and blend powders, as well as other metal products like machetes and nails. Our commitment to excellence is demonstrated through our adoption of cutting-edge technology and the establishment of a robust export infrastructure.

Our state-of-the-art production facilities are equipped with internationally acclaimed electrode production lines and comprehensive testing apparatus, enabling us to achieve an impressive **Annual Output of 50,000 Tons**. Our portfolio features an array of products such as mild steel electrodes, carbon dioxide welding wires, and a diverse selection of welding blend powders, all renowned for their exceptional arc stability, minimal spatter, and efficient slag release. In 2024, we proudly expanded our global presence by establishing **Polaris Welding Supply** as our American subsidiary based in California. This strategic move allows us to directly engage with the North American market and offer our high-quality welding solutions to a broader clientele.

Our company prides itself on adhering to the highest international standards and has been recognized by several esteemed organizations for our commitment to quality. We are certified by the Standards Organisation of Nigeria, ensuring our products meet the rigorous requirements set forth by the Nigerian national standards body. Additionally, we have been evaluated as an Alibaba Assessed Supplier, which speaks to our trustworthiness and reliability in global trade. Our dedication to excellence is further solidified by our Kaixin Certification ISO9001, a testament to our robust quality management system that consistently meets customer and regulatory requirements. Moreover, we have the endorsement of a reputable **European Certifying Organization**, which allows us to confidently serve our European clients with products that comply with the strictest of European standards. At Dingzhou Jinlong Metal Products, our esteemed credentials are a testament to the exceptional quality and safety of our welding materials. Our clients can trust in our products, knowing they are backed by our rigorous standards. Our dedication to continuous improvement and customer satisfaction is unwavering, as we strive to provide superior-quality products that not only meet but exceed expectations, enhancing productivity and performance in every weld.



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### CARBON STEEL ELECTRODE

# Series

#### Unlock the Power of Precision with Our Carbon Steel Electrodes

When it comes to welding, the choice of electrode is paramount. Our Carbon Steel Electrodes are engineered to meet the most rigorous standards of strength and durability. With a robust construction that ensures deep penetration and a smooth arc, these electrodes are the backbone of any welding project. Whether you're constructing skyscrapers or repairing heavy machinery, our electrodes provide the reliability you need. **Experience Unmatched Quality and Performance** 

Our Carbon Steel Electrodes are not just tools; they are the bearers of quality and efficiency. They are designed to produce consistent, high-quality welds that stand the test of time. With excellent crack resistance and minimal spatter, these electrodes ensure a clean and professional finish every time. Their versatility across various applications makes them an indispensable asset in your welding arsenal.

#### **Elevate Your Welding Projects to New Heights**

Choose our Carbon Steel Electrodes for their superior performance and ease of use. They are the perfect partner for welders who demand the best. With our electrodes, you can expect less downtime and more productivity. Their exceptional weld quality means fewer reworks and a more streamlined process, saving you time and money. Embrace the power of our Carbon Steel Electrodes and make every weld count.

# **Carbon Steel Electrode**

### E6013

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Model	GB	AWS	Diameter(mm)	Type of Coating	Current	Uses
CB-J421	E4303	E6013	2.5-5.0	Graphite Type	AC,DC+	Used for repair welding on the flaws of gray cast iron.
Introduction: CB-J421 is a kind of carbon steel electrode						



**Introduction:** CB-J421 is a kind of carbon steel electrode with titania type coating. AC/DC. All position welding. It has excellent welding performance, excellent operating performance, easy reignition, stable arc and beautiful appearance of weld. Uses: For welding low carbon steel **Uses:** For welding low carbon steel structures, especially suitable for welding on thin plates and cosmetic welding which requires the weld beads to be beautiful and glossy.

# Chemical composition of welding wire (%)

Chemical composition	с	Mn	Si	S	Р
Guarantee Value	2.00- 4.00	≤0.75	2.50- 6.50	≤0.100	≤0.150

### **Mechanical Properties of Deposited Metal**

Test Item	Rm(Mpa)	Rel(Mpa)	A(%)	KV2(J)	KV2(J)
Guarantee Value	≥420	≥330	≥17	-(normal temperature)	-(0 °C)
General Result	460-540	≥340	18-26	50-80	≥47

## Reference Current (AC, DC)

Electrode Diameter(mm)	<sup>∮</sup> 2.5	<sup>∮</sup> 3.2	<sup>∮</sup> 4.0	∮ 5.0
Welding Current(A)	50-90	90-130	130-210	170-230

# **Carbon Steel Electrode**

E6011

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	GB	AWS	Diameter(mm)	Type of Coating	Current
CB-J425	E4311	E6011	2.5,3.2,4.0,5.0	Cellulose Type	AC,DC

**Introduction:** CB-J425 is a kind of carbon steel electrode with cellulose potassium type coating specially used for vertical downward welding . AC/DC. It has excellent welding performance, beautiful appearance after vertical downward welding , fewer slags and high welding efficiency.

**Uses:** Suitable for butt welding , fillet welding and lap welding on thin plates, such as low carbon steel structures like flues of power stations, air ducts, transformer oil tanks, hulls, exterior panels of cars, etc.

# Chemical composition of welding wire (%)

Chemical composition	С	Mn	Si	S	Р
Guarantee Value	≤0.20	0.30-0.60	≤0.30	≤0.035	≤0.040

## **Mechanical Properties of Deposited Metal**

Test Item	Rm(Mpa)	Rel(Mpa)	A(%)	KV2(J)
Guarantee Value	≥420	≥330	≥22	≥27(-30 °C)
General Result	440-500	≥340	22-30	50-90(-30 °C)

## Reference Current (AC, DC)

Electrode Diameter(mm)	<sup>∮</sup> 2.5	∮ 3.2	<sup>∮</sup> 4.0	∮ 5.0
Welding Current(A)	30-50	80-100	110-130	150-200

# **Carbon Steel Electrode**

### E7018

Model	GB	AWS	Diameter(mm)	Type of Coating	Current
CB-J507	E5018	E7018	2.5,3.2,4.0,5.0	Low-hydrogen Type	AC,DC



**Introduction:** CB-J507 is a carbon steel electrode for iron powder and low hydrogen and potassium type drug skin, which is dual-purpose in AC and DC. because the drug skin contains iron powder, the deposition efficiency can be improved. The arc is stable, the splash is small, the slag is easy to remove, the process performance is good, the mechanical properties of the deposited metal are good, and the whole position welding can be carried out. **Uses:** Suitable for the welding of carbon steel and low alloy steel structure, such as GR.50, and so on.

# Chemical composition of welding wire (%)

Chemical composition	С	Mn	Si	S	
Guarantee Value	≤0.12	≤1.60	≤0.75	≤0.035	≤0.040

### **Mechanical Properties of Deposited Metal**

Test Item	Rm(Mpa)	Rel(Mpa)	A(%)	кv2(J)
Guarantee Value	≥490	≥400	≥22	≥27(-30 °C)

# Reference Current (AC, DC)

Electrode Diameter(mm)	<sup>∮</sup> 2.5	∮ 3.2	<sup>∮</sup> 4.0	∮ 5.0
Welding Current(A)	60-100	80-140	110-210	160-230

# STAINLESS STEEL ELECTRODES

#### **Elevate Your Welding with Our Premium Stainless Steel Electrodes**

Discover the pinnacle of welding excellence with our Stainless Steel Electrodes. Crafted for precision and durability, these electrodes are the ideal choice for projects demanding the highest quality. With superior corrosion resistance and exceptional strength, our electrodes ensure that your welds not only look impeccable but also stand the test of time. They are perfect for a wide range of applications, including construction, automotive repair, and food-grade projects.

#### **Unmatched Performance in Every Weld**

Our Stainless Steel Electrodes are synonymous with reliability and efficiency. Designed to tackle even the most challenging welding tasks, they provide smooth arc initiation, stable arc performance, and minimal spatter, resulting in a clean and aesthetically pleasing finish. The electrodes' versatility allows for use in all positions, making them a go-to solution for professional welders seeking to produce top-tier results. **Commitment to Quality and Innovation** 

Choosing our Stainless Steel Electrodes means investing in your work's longevity and integrity. Their formulation is optimized for high-temperature environments and resistant to scaling, ensuring your welds maintain their integrity under extreme conditions. Embrace the innovation that comes with our electrodes and experience welding that is not just a process, but a craft.

# **Stainless Steel Electrodes**

### E308-16

Model	GB	AWS	Diameter(mm)	Type of Coating	Current
CB-A102	E308-16	E308-16	2.5-5.0	Lime-titania Type	DC



**Uses:** Suitable for welding corrosion-resistant 0cR19Ni9 and 0Cr19Ni11Ti stainless steel structures below 300 °C

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## Chemical composition of welding wire (%)

С	Mn	Si	S	Р	Cu	Ni		Cr
≤0.08	0.5-2.5	≤0.90	≤0.030	≤0.040	≤0.75	9.0- 11.0	≤0.75	18.0-21.0

# **Mechanical Properties of Deposited Metal**

Test Item	Rm(Mpa)	Rel(Mpa)	A(%)	кv2(J)
Guarantee Value	≥490	≥400	≥22	≥27(-30 °C)

# Reference Current (AC, DC)

Electrode Diameter(mm)	<sup>∮</sup> 2.5	∮ 3.2	<sup>∮</sup> 4.0	<sup>∮</sup> 5.0
Welding Current(A)	60-100	80-140	110-210	160-230

# **Stainless Steel Electrodes**

### E316I-16

Model	GB	AWS	Diameter(mm)	Type of Coating	Current
CB-A022	E316L-16	E316L-16	2.5-5.0	Lime-titania Type	AC,DC



**Uses:** Suitable for welding equipment of urea, synthetic fiber, etc. and stainless steel structures of the same types.

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## Chemical composition of welding wire (%)

С	Mn	Si	S	Р	Cu	Ni	Мо	Cr
≤0.04	0.5-2.5	≤0.90	≤0.030	≤0.040	≤0.75	11.0- 14.0	2.0-3.0	17.0-20.0

## **Mechanical Properties of Deposited Metal**

Rm(Mpa)	A(%)
≥490	≥30



# **Stainless Steel Electrodes**

### E347-16

Model	GB	AWS	Diameter(mm)	Type of Coating	Current
CB-A132	E347-16	E347-16	2.5-5.0	Lime-titania Type	AC,DC





**Uses:** Suitable for welding key corrosionresistant 0Cr19Ni11Ti stainless steel containing Tistabilizer.

# Chemical composition of welding wire (%)

С	Mn	Si	S	Р	Cu	Ni		Cr
≤0.08	0.5-2.5	≤0.90	≤0.030	≤0.040	≤0.75	9.0- 11.0	≤0.75	18.0-21.0

# **Mechanical Properties of Deposited Metal**

Rm(Mpa)	A(%)
≥520	≥25

# CAST IRON ELECTRODES

# Series

#### **Experience the Robustness of Cast Iron Electrodes**

Our Cast Iron Electrodes are the epitome of resilience and adaptability. Designed to address the unique challenges of cast iron welding, these electrodes provide strong, machinable welds with excellent color match. They are the ideal choice for repair work, fabrication, and joining dissimilar metals, ensuring that each weld is as enduring as cast iron itself. With our electrodes, you can confidently tackle projects that require the utmost in strength and longevity.

#### Superior Welding with Uncompromised Quality

The quality of our Cast Iron Electrodes is unmatched, offering superior crack resistance and minimal porosity. They are specially formulated to deliver smooth and stable arcs, making the welding process not just effective but also a pleasure. Whether you're working on engine blocks, pump housings, or intricate castings, our electrodes ensure that your work stands out for its precision and durability.

#### **Innovation Meets Tradition in Every Weld**

Choose our Cast Iron Electrodes for their innovative approach to traditional challenges. Their advanced composition allows for exceptional weldability, even on contaminated or oxidized surfaces, making them a versatile solution for a wide range of applications. Embrace the blend of innovation and tradition with our electrodes and see your projects through a lens of excellence and reliability.



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# **Cast Iron Electrodes**

Model	GB	AWS	Diameter(mm)	Type of Coating	Current	Uses
CB-Z208	EZC	EC1	2.5-5.0	Graphite Type	AC,DC+	Used for repair welding on the flaws of gray cast iron.
CB-Z308	EZNi-1	ENI-C1	2.5-5.0	Graphite Type	AC,DC+	Used for repair welding on thin cast iron pieces and machined surfaces, such as some key gray cast iron pieces like engine bearers, guide rails of machine tools, pinion stands, etc.
CB-Z408	EZNiFe- C1	ENiFe- C1	2.5-5.0	Graphite Type	AC,DC	Suitable for repair welding on key high strength gray cast iron and spheroidal graphite cast iron, such as cylinders, engine bearers, gears, rollers, etc.
CB-Z508	EZNiCu- 1	ENiCu- B	2.5-5.0	Graphite Type	AC,DC	Used for repair welding on gray cast iron pieces not requiring strength too much.

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# **Cast Iron Electrodes**

# Chemical composition of welding wire (%)

Model	С	Mn	Si	S	Р	Ni	Cu	Fe
CB-Z208	2.00- 4.00	≤0.75	2.50- 6.50	≤0.100	≤0.150			Balance
CB-Z308	≤2.00	≤1.00	≤2.50	≤0.030		≥90		≤8
CB-Z408	≤2.00	≤1.80	≤2.50	≤0.030		45- 60		Balance
CB-Z508	≤1.00	≤2.50	≤0.80	≤0.025		60- 70	24-35	≤6

### GAS-SHIELDED SOLID WELDING WIRE

# Series

#### Achieve Welding Excellence with Our Gas-Shielded Solid Welding Wire

Step into the future of welding with our premium Gas-Shielded Solid Welding Wire. Designed for precision and consistency, this wire is the cornerstone of high-quality welding. Its superior feedability and excellent electrical conductivity ensure smooth, uninterrupted arcs for flawless welds every time. Ideal for both manual and automated welding processes, our wire is the choice of professionals seeking efficiency and perfection.

#### Unleash the Power of Clean, Strong Welds

Our Gas-Shielded Solid Welding Wire is engineered to produce clean, strong welds with minimal spatter and post-weld cleanup. The use of a shielding gas ensures optimal protection from atmospheric contamination, resulting in pure, defect-free weld joints. Whether you're working on thin sheet metal or robust steel structures, our welding wire provides the strength and durability your projects demand.

#### Innovation and Quality in Every Spool

Embrace the innovation that comes with our Gas-Shielded Solid Welding Wire. Its consistent diameter and uniformity guarantee exceptional arc stability and penetration, making it the ideal choice for a wide range of applications. With our welding wire, you can expect enhanced productivity and reduced waste, ensuring that every weld contributes to the integrity and longevity of your work.

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# **Gas-shielded Solid Welding Wire**

# Chemical composition of welding wire (%)

	Model	GB	AWS	Diameter(mm)	Current	Uses
	CB-ER50-3	ER50-3	ER70S-3	0.8,1.0,1.2,1.6	DC+	Used for welding low carbon steel parts with thorough surface treatment.
	CB-ER50-4	ER50-4	ER70S-4	0.8,1.0,1.2,1.6	DC+	l.used for welding sheet metal and thin plates. 2. used for welding steel pipes
ST	CB-ER50-6	ER50-6	ER70-6	0.8,1.0,1.2,1.6	DC+	Used for welding all kinds of 500MPa structural steel parts
2	CB-ER50- G	GB/T ER50	ER70S-G	0.8,1.0,1.2,1.6	DC+	Used for welding all kinds of 500MPa structural steel parts, thick plates and thick pipelines.
	CB-ER60- G	ER60-G	ER90S- G	0.8,1.0,1.2,1.6		Suitable for welding 600MPa high strength steel structures.

# **Gas-shielded Solid Welding Wire**

## **Mechanical Properties of Deposited Metal**

Model	Rm(Mpa)	Rel(Mpa)	A(%)	KV2(J)
CB-ER50-3	≥500	≥420	≥22	≥27(-18 C)
CB-ER50-4	≥500	≥420	≥22	Not Specified(-29C)
CB-ER50-6	≥500	≥420	≥22	≥27(-30 C)
CB-ER50-G	≥500	≥420	≥22	According to Customers need(-30 C)
CB-ER60-G	≥620	≥490	≥19	≥47(-20 C)

### Chemical composition of welding wire (%)

Model	С	Mn	Si	S	Ρ	Cu	Ti+Zr
CB-ER50-3	0.06-0.15	0.90-1.40	0.45-0.75	≤0.035	≤0.025	≤0.50	
CB-ER50-4	0.07-0.15	1.0-1.5	0.65-0.85	≤0.035	≤0.025	≤0.50	
CB-ER50-6	1.4-1.85	1.4-1.85	0.8-1.15	≤0.035	≤0.025	≤0.50	
CB-ER50-G	1.40-1.90	1.40-1.90	0.55-1.10	≤0.030	≤0.030		≤0.30
CB-ER60-G	1.40-1.80	1.40-1.80	0.50-0.80	≤0.025	≤0.025	≤0.50	

### ARGON-ARC WELDING WIRE

# Series

#### Precision and Purity with Our Argon-Arc Welding Wire

Elevate your welding experience with our Argon-Arc Welding Wire, the ultimate choice for high-quality, precision welding. Specially designed for Tungsten Inert Gas (TIG) welding, this wire is the preferred option for creating clean, strong, and visually appealing welds. The use of argon gas ensures a contaminant-free environment, allowing the wire to produce pure and precise welds that are free from oxidation and spatter. **The Professional's Choice for Exquisite Welds** 

Our Argon-Arc Welding Wire is crafted to meet the exacting standards of professional welders. It offers excellent arc stability and control, making it ideal for welding thin materials, stainless steel, and non-ferrous metals. The wire's consistent melting point and smooth flow contribute to uniform bead appearance, making it perfect for applications where aesthetics are as important as structural integrity. **Innovative Welding Solutions for Superior Results** 

Choose our Argon-Arc Welding Wire for its superior performance and adaptability. Whether you're working on intricate sculptures or critical aerospace components, our wire provides unmatched quality and reliability. Its compatibility with a wide range of base metals and its ability to handle complex welding tasks make it a versatile tool in any welder's inventory.

# Argon-arc welding wire

Model	GB	AWS	Uses
CB-ER50-6	ER50-6	ER70S-6	Used for all position manual tungsten argon arc backing weldi and arc welding on pipelines
CB-ER308L	H08MnA	ER308L	Used foe welding ultra low carbon 00Cr19Ni10 stainless steel structures.

Introduction: AWS ER70S-6 is Crafted with premium quality materials, this welding wire is designed to deliver reliable and consistent welding results. With its low spatter, excellent feedability and optimal performance, it is the perfect choice for any welding project. It is designed to work flawlessly on a range of materials including mild steel, carbon steel, and low alloy steel. Uses: The AWS ER70S-6 welding wire is perfect for MIG welding, TIG welding, and Shielded Metal Arc Welding (SMAW). With its high resistivity against corrosion and cracks, it is perfect for welding in tough environmental conditions, such as shipyards, heavy engineering systems, construction sites, etc.

## **Mechanical Properties of Deposited Metal**

Model	Rm(Mpa)	Rel(Mpa)	A(%)	KV2(J)
CB-ER50-6	≥490	≥420	≥22	≥27(-30 °C)

### Chemical composition of welding wire (%)

Model	С	Mn	Si	S	Ρ	Cu	Ni	Cr
CB-ER50-6	0.06-0.15	1.40-1.85	0.80-1.15	≤0.035	≤0.025	≤0.50		
CB-ER308L	≤0.03	1.00-2.50	≤0.60	≤0.020	≤0.030		9.00-11.0	19.50-22.00

### SUBMERGED-ARC WELDING WIRE

# Series

#### Unleash the Potential of Submerged-Arc Welding Wire

Step into a world of welding where efficiency and quality converge with our Submerged-Arc Welding Wire. This wire is the backbone of submerged-arc welding (SAW), a process known for its high deposition rates and deep weld penetration. Ideal for heavy-duty industrial applications, our wire ensures robust and consistent welds that are crucial for structures subjected to extreme conditions. With our welding wire, you can achieve excellent mechanical properties and superior toughness in your welds.

#### Innovative Welding Solutions for Industrial Excellence

Our Submerged-Arc Welding Wire is designed to cater to the demanding needs of industries such as shipbuilding, bridge construction, and heavy machinery manufacturing. It offers a smooth and stable arc, low spatter, and excellent slag detachability, which translates to less cleanup and more productivity. The wire's compatibility with various fluxes also allows for flexibility in achieving different mechanical properties, making it a versatile choice for a multitude of welding scenarios. **Quality and Performance in Every Spool** 

Choose our Submerged-Arc Welding Wire for its unmatched quality and performance. Its uniform diameter and clean surface ensure reliable feeding and consistent weld quality. Whether you're working on large-scale projects or precise fabrications, our wire provides the strength and durability to meet the challenges of modern welding demands. Trust in our wire to deliver superior results that stand the test of time.



# Submerged-arc welding wire

Model	GB	AWS	Diameter(mm)	Current	Uses
CB-H08A	H08A	EL8	2.5-5.0	DC+	Used together with fused flux 431 or sintered fluxes 301 and 501. Used for both high speed welding and filling welding on 50kg class base metals.
CB-H08MnA	H08MnA	EM12	2.5-5.0	DC+	Used together with fused flux 350 or sintered flux 101. Used for both high speed welding and filling welding on 50kg class base metals.

# **Mechanical Properties of Deposited Metal**

Model	Rm(Mpa)	Rel(Mpa)	A(%)	KV2(J)
CB-H08A	415-550	≥330	≥22	≥27(-20 C)
CB-H08MnA	415-550	≥330	≥22	≥80(0C) ≥34(-20C)
			TK/N/7NV	

# Chemical composition of welding wire (%)

Model	С	Mn	Si	S	Ρ	Ni	Cr
CB-H08A	≤0.10	0.3-0.55	≤0.03	≤0.030	≤0.030	≤0.30	≤0.20
CB-H08MnA					≤0.030	≤0.30	≤0.20
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# FLUX-CORED WELDING WIRE

# **Series**

**Revolutionize Your Welding with Our Flux-Cored Welding Wire** Step into the future of welding with our state-of-the-art Flux-Cored Welding Wire. This innovative solution is designed for welders who demand excellence and efficiency in their work. With its core filled with flux, our welding wire eliminates the need for external shielding gas, making it ideal for outdoor applications where wind might disperse gas shielding. It offers deep penetration and high deposition rates, increasing productivity and reducing welding time. **Enhanced Performance for Exceptional Results** Our Flux-Cored Welding Wire is synonymous with performance and versatility. It provides a smooth, stable arc with low spatter, ensuring a clean and attractive finish. The self- shielding nature of the wire makes it a perfect choice for all-position welding, offering flexibility and ease of use. Whether you're working on construction sites, shipyards, or repair jobs, our wire adapts to your needs, providing strong and reliable welds every time. **Quality Welding Made Convenient** Choose our Flux-Cored Welding Wire for a hassle-free welding experience that

**ttsesmitteriomstegnisencovquality**.excellent weld appearance make post-weld cleanup a breeze. With our wire, you can achieve professional-grade welds even in challenging environments. Embrace the convenience and quality of our Flux- Cored Welding Wire and take your welding projects to the next level.

# Flux-cored welding wire

Model					
CB E70T-1	E500T-1	E70T-1	1.2,1.4,1.6	DC+	Used welding structures made of carbon steel and low alloy structural steel with tensile strength higher than or equal to 490MPa.
CB E7IT-1	E2011-1	E71T-1	1.2,1.4,1.6	DC+	Used for welding structures made of carbon steel and low alloy structural steel with tensile strength higher than or equal to 490MPa.



**Introduction:** The AWS E70T-1 flux-cored welding wire is perfect for welding structures made of carbon steel and low alloy structural steel with tensile strength higher than or equal to 490MPa.

## **Mechanical Properties of Deposited Metal**

Model	Rm(Mpa)	Rel(Mpa)	A(%)	KV2(J)
CB E70T-1	≥480	≥400	≥22	≥27(-20 °C)
CB E71T-1	≥480	≥400	≥22	≥27(-20 °C)
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# Chemical composition of welding wire (%)

Model	С	Mn	Si	S	Ρ
CB E70T-1	≤0.18	≤1.75	≤0.90	≤0.030	≤0.030
CB E71T-1	≤0.18	≤1.75	≤0.90	≤0.030	≤0.030

# our **Contact**



# PRODUCTS CO., LTD.

Get in touch with Us!



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