



Cast iron Laser Welding Wire

Cast iron laser welding wire is specifically formulated for welding cast iron materials. It provides excellent crack resistance and strong, durable bonds, making it ideal for repairing and joining cast iron components. This wire offers good machinability and high strength, suitable for applications in automotive, heavy machinery, and industrial repair where cast iron is frequently used. It ensures smooth, precise welds with minimal distortion.

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SKU:

Price: ~~\$3,640.00~~ \$3,000.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [Cast iron Laser Welding Wire](#)

Product Description

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Copper Laser Welding Wire

Copper laser welding wire is designed for precision welding of copper and copper alloys. It offers excellent electrical and thermal conductivity, making it ideal for applications in electrical, automotive, and electronics industries. This wire provides smooth, clean welds with minimal porosity and distortion, ensuring strong, reliable joints in both thin and thick copper materials. It also offers good corrosion resistance and high strength, suitable for demanding environments.

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SKU: Copper Price

Price: ~~\$2,242.00~~ \$1,800.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [Copper Laser Welding Wire](#)

Product Description

Copper laser welding wire is designed for precision welding of copper and copper alloys. It offers excellent electrical and thermal conductivity, making it ideal for applications in electrical, automotive, and electronics industries. This wire provides smooth, clean welds with minimal porosity and distortion, ensuring strong, reliable joints in both thin and thick copper materials. It also offers good corrosion resistance and high strength, suitable for demanding environments.



Hardex 50 Laser Welding Wire

Hardex 50 laser welding wire is a high-strength, wear-resistant alloy designed for welding and repairing surfaces exposed to extreme wear and abrasion. It provides excellent hardness and durability, making it ideal for industrial applications such as mining, construction, and heavy machinery repair. The wire ensures smooth, precise welds with minimal spatter and high resistance to cracking, extending the lifespan of components in harsh environments

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SKU: Hardex 50 Price

Price:

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [Hardex 50 Laser Welding Wire](#)

Product Description

Hardex 50 laser welding wire is a high-strength, wear-resistant alloy designed for welding and repairing surfaces exposed to extreme wear and abrasion. It provides excellent hardness and durability, making it ideal for industrial applications such as mining, construction, and heavy machinery repair. The wire ensures smooth, precise welds with minimal spatter and high resistance to cracking, extending the lifespan of components in harsh environments



Titanium Laser Welding Wire

GTAW rod for welding pure Titanium and Titanium alloys with similar chemical composition. Titanium can be tung requires greater cleanliness and the use of auxiliary gas shielding to protect the molten puddle and cooling weld Condition

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SKU: Ti-2

Price: ~~\$4,330.00~~ \$3,500.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [Titanium Laser Welding Wire](#)

Product Description

GTAW rod for welding pure Titanium and Titanium alloys with similar chemical composition. Titanium can be tung requires greater cleanliness and the use of auxiliary gas shielding to protect the molten puddle and cooling weld Condition



S S Laser Welding Wire

Stainless steel laser welding wire is a high-performance wire designed for precision welding applications. It offers excellent corrosion resistance, high tensile strength, and smooth welds with minimal spatter. Ideal for joining stainless steels and dissimilar metals, it ensures strong, durable bonds in demanding environments such as automotive, aerospace, and medical industries

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SKU: Stainless Steel

Price: ~~\$2,242.00~~ \$1,800.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [Stainless Steel Laser Welding Wire](#)

Product Description

Stainless steel laser welding wire is a high-performance wire designed for precision welding applications. It offers excellent corrosion resistance, high tensile strength, and smooth welds with minimal spatter. Ideal for joining stainless steels and dissimilar metals, it ensures strong, durable bonds in demanding environments such as automotive, aerospace, and medical industries



D2 Laser Welding Wire

A D2 Steel Rod is an air hardened, tooling steel grade. The high carbon, high chromium containing Tool Steel D2 Round Bar exhibits high wear and abrasion resistance properties. The d2 tool steel tig rod is a heat treatable alloy.

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SKU:

Price: ~~\$2,242.00~~ \$1,800.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [D2 Laser Welding Wire](#)

Product Description

A D2 Steel Rod is an air hardened, tooling steel grade. The high carbon, high chromium containing Tool Steel D2 Round Bar exhibits high wear and abrasion resistance properties. The d2 tool steel tig rod is a heat treatable alloy.



312 Laser Welding Wire

The 312 laser welding wire is a high-strength stainless steel alloy designed for welding dissimilar metals and difficult-to-weld steels. It offers excellent corrosion resistance and high tensile strength, making it ideal for applications in harsh environments. This wire ensures minimal spatter and smooth welds, suitable for precision work in various industries.

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SKU: 312

Price: ~~\$2,242.00~~ \$1,800.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [312 Laser Welding Wire](#)

Product Description

The 312 laser welding wire is a high-strength stainless steel alloy designed for welding dissimilar metals and difficult-to-weld steels. It offers excellent corrosion resistance and high tensile strength, making it ideal for applications in harsh environments. This wire ensures minimal spatter and smooth welds, suitable for precision work in various industries.



EN-31 Laser Welding Wire

EN-31 laser welding wire is a high-carbon, alloy steel wire known for its excellent hardness, strength, and wear resistance. It's commonly used for welding and repairing components like dies, tools, and machinery parts. Ideal for precision welding in industries requiring high durability and performance.

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SKU:

Price: ~~\$2,242.00~~ \$1,800.00

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Tags: [EN-31 Laser Welding Wire](#)

Product Description

EN-31 laser welding wire is a high-carbon, alloy steel wire known for its excellent hardness, strength, and wear resistance. It's commonly used for welding and repairing components like dies, tools, and machinery parts. Ideal for precision welding in industries requiring high durability and performance.

P20 Molybdenum welding Wire



Element	C	Si	Mn	P	S	Cr	Mo
Percent	0.35	0.50	0.80	0.025	0.025	1.70	0.45

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SKU: P20x

Price:

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Product Description

Chromium - Manganese - Molybdenum welding wire. Large and medium-sized moulds for plastic processing, mould frames for injection moulding and die casting industries, componet for general mechanical engineering.

COMPOSITION OF ALL WELD METAL (%)

Element	C	Si	Mn	P	S	Cr	Mo
Percent	0.35	0.50	0.80	0.025	0.025	1.70	0.45

H 13 Welding Wire Tool Steel Tensile



Element	C	Si	Mn	P	S	Cr	Mo
Percent	0.40	1.00	0.40	0.020	0.020	5.20-	1.20

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SKU: H13x

Price:

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Product Description

Welding wire for hot work tool steels with excellent hot tensile properties, high hot wear resistance. Heat checking resistance. Used in particular to repair mandrels, punches, dies, cylinder crushers, screws, hammers, pneumatic hammers, etc. COMPOSITION OF ALL WELD METAL (%)

Element	C	Si	Mn	P	S	Cr	Mo	V
Percent	0.40	1.00	0.40	0.020	0.020	5.20-	1.20	1.0

Laser Welding Wire 4047



Element	Si	Fe	Mn	Cu	Mg	Others	Al
Percent	12.0	0.08	0.15	0.30	1.10	0.15	Balance

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SKU: 4047

Price:

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Product Description

4047 Laser welding wire is developed to take advantage of its low melting point and narrow freezing range. It has a higher silicon content than its counterpart, ER4043 which provides for increased fluidity and reduced shrinkage in the weld. ER4047 produces bright and almost smut-free welds. This alloy may be used in applications of sustained elevated temperatures.

SKD 11 Laser Welding Wire



Element	C	Si	Mn	Cr	Mo	V
Percent	1.50	0.4	0.4	12.0	1.0	0.75

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SKU: SKD 11

Price:

Stock: instock

Categories: [Laser Welding Wires](#),
[Welding Consumables](#)

Product Description

SKD11 Laser welding wires is a high carbon – high chromium air hardening cold work tool steel wire, heat treatable to 60-62 HRC. It offers excellent wear and abrasion resistance, due to large volumes of carbides in the micro-structure.

Copper Laser Welding Wire



Element	Zn	Sn	Mn	Si	Al
Percent	1.0	1.0	1.5	2.8-4.0	0.01

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SKU: Copper

Price:

Stock: instock

Categories: [Laser Welding Wires](#),
[Welding Consumables](#)

Product Description

Use for welding of Silicon Bronze, Copper, or Aluminum Bronze of low aluminum content. It can also be used for brazing malleable iron and light gauge steel. COMPOSITION OF ALL WELD METAL (%)

Element	Zn	Sn	Mn	Si	Al	Cu
Percent	1.0	1.0	1.5	2.8-4.0	0.01	Balance

D2 Laser Welding Wire



Element	C	W	Mn	Cr
Percent	0.9	0.50	1.25	0.50

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SKU: D2

Price:

Stock: instock

Categories: [Laser Welding Wires](#), [Welding Consumables](#)

Product Description

A D2 Steel Rod is an air hardened, tooling steel grade. The high carbon, high chromium containing Tool Steel D2 Round Bar exhibits high wear and abrasion resistance properties. The d2 tool steel tig rod is a heat treatable alloy. It has a hardness value which falls in the range between 55 HRC – 62 HRC.
