

'S,RODS, WASHER, BOATS, CRUCIBLES? WHERE'S MOLYBDENUM PLATES ,BARS, STU



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YDTECH™ WHAT'S EDM MOLYBDENUM CUTTING WIRES
0.18MM,SHEETS,RODS, WASHER, BOATS, CRUCIBLES? WHERE'S
MOLYBDENUM PLATES ,BARS, STUDS,0.18MM WIRES, BOLTS,
MANUFACTURERS? HOW TO BUY WHITE MOLYBDENUM WIRES
EDM ELECTRODES PARTS?



molybdenum wire cutting with molybdenum wire is widely used in various industries, including aerospace, automotive, electronics, and tooling. It allows for the creation of complex parts with tight tolerances and is particularly valuable when dealing with hard or exotic materials that are difficult to machine using conventional methods.



we can adapt the design of our annealing and sintering boats to your specific requirements. our products are available riveted,deep drawn or folded. as our input material, we use only the purest molybdenum oxide.In this way, we can be sure that our glass melting electrodes are free of any impurities.this prevents any discoloration or bubble formation.thanks to a special forging process,the glass melting electrodes we manufacture possess a particularly smooth surface.



by using suitable alloys and optimized production processes,we are able to improve the properties of molybdenum.to achieve a particularly high level of ductility and creep resistance,we dope pure molybdenum with small quantities of La2O3. the stabilized microstructure and modified recrystallization behavior prevent the premature embrittlement and fracture of our furnace components.



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sizes of EDM molybdenum wires,molybdenum cutting wires, Mo wires

EDM molybdenum wires,molybdenum cutting wires, Mo wires

standard molybdenum wires	0.18 mm
thick EDM molybdenum wires	0.18 mm 0.20 mm, 0.25mm, 0.28mm, 0.30mm
medium sizes EDM molybdenum wires	0.12mm, 0.13mm, 0.14mm, 0.15mm, 0.16mm
slim sizes EDM molybdenum wires	0.06mm, 0.08mm
EDM molybdenum wires,molybdenum cutting wires, Mo wires	

glass melting electrodes must withstand extremely high temperatures and aggressive glass melts. molybdenum from our company is the right material for these challenging conditions. melting point of 2620C. outstanding creep resistance, high dimensional stability. excellent corrosion resistance, good electrical and thermal conductivity, utstanding purity.

application of EDM molybdenum wires,molybdenum cutting wires,white Mo wires

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

grade	application of molybdenum wires,Mo wires
MoI	core wire for lighting, light bulb components and molybdenum foil strips, vacuum electronic devices, spray coating, heating elements, wire cutting, etc.
MoLa	core wire for lighting, light bulb components and molybdenum foil strips, vacuum electronic devices, spray coating, heating elements, welding electrodes, high temperature components, wire cutting, etc.

MoY	molybdenum foil strips, brackets, lead wires, heating elements, high temperature components, etc.
MoK	lead wires, spray coating, heating elements, high temperature components, printer needles, etc.
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.	

we can supply you with rivets, screws and nuts made of molybdenum,tungsten as well as a wide range of alloys that perfectly meet the needs of your project. our range includes hexagon rivets,round head rivets and combination rivet shapes.our line in screws comprises both hexagon head screws and slot head screws.we will also be happy to manufacture other head geometries for you.Just contact us!

grades of molybdenum wires and classification of molybdenum wires

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

grade	mark	classification	mark
I	I	drawn	D
II	II	straightening	S
III	III	annealing	H
...	...	electrolysis	E
...	...	chemical treatment	C
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.			

wire cutting with molybdenum wire offers several advantages, including high precision, the ability to cut intricate shapes, and the capability to work with hard and brittle materials. molybdenum's high melting point and excellent electrical conductivity make it suitable for this application.

tolerance of molybdenum wires, molybdenum cutting wires, Mo wires.

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

specification range D(um)	200mm weight tolerance%			Diameter tolerance%		
	Level I	Level II	Level III	Level I	Level II	Level III
15<D< 30	+/-2.0	+/-2.5	+/-3.0	...	...	...
30<D<100	+/-1.5	+/-2.0	+/-3.0	...	...	..
100<D<400	+/-1.0	+/-1.5	+/-3.0	+/-0.5	+/-0.75	+/-1.5
400<D<700	...	...	...	+/-1.5	+/-2.0	+/-2.5
700<D<5000	...	...	...	+/-1.0	+/-1.5	+/-2.0
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.						

in addition,our forming processes result in a particularly coarse-grained,creep-resistant material structure coupled with optimum straightness.The benefit to you: your glass melting electrodes do not become deformed,are less prone to wear and last for longer.

minimum length of molybdenum wires, molybdenum cutting wires, Mo wires.

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

specification range D(um)	minimum length (minimum weight)e%
15<D< 30	2000m
30<D<100	1500m
100<D<200	1000m
200<D<400	300m
D≥ 400	300g
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.	

straightness of molybdenum wires, molybdenum cutting wires, Mo wires.

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

diameter D(um)	drape method	circle chord method
D< 400	H 400mm	...
400<D<1000	...	h<15mm
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.		

wires, Mo wires.

Why the standard diameter of wire-cut molybdenum wire is 0.18mm?

when the diameter of the molybdenum wire is 0.16mm, which is 16 wires, the processing efficiency of the wire cutting machine is the fastest. The experimental result of this function curve shows that when the diameter of the molybdenum wire is 0.16mm, the processing efficiency of the wire cutting machine reaches the highest point, and then moves to both sides respectively. decreasingly.

some people may ask why the final choice is 0.18mm instead of 0.16mm? because the efficiency of choosing 0.18mm molybdenum wire diameter is best in the 0.14~0.18mm segment, and the efficiency drops significantly in other size segments, and the efficiency is extremely poor. Selecting 0.18mm molybdenum wire will cause loss from the beginning of molybdenum wire use to 0.16mm. reaching the best efficiency and completing the mission at 0.14mm just covers the entire high-efficiency size segment in the experimental result function.

tensile strength of EDM molybdenum wires, molybdenum cutting wires, Mo wires.

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

diameter D(um)	tensile strength MPa
30<D< 130	≥ 2100
130<D<190	≥1900
190<D<350	≥ 1600
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.	

chemical composition of molybdenum wire % (mass fraction)

EDM molybdenum wires,molybdenum cutting wires,white Mo wires

grade	ain component				Impurity elements are not greater than									
	Mo	La2O3	Y2O3	K	W	Al	Ca	Mg	Fe	Ni	Si	N	O	
MoL	exceed 99.95	...	...	...	0.02	0.002	0.002	0.002	0.010	0.003	0.005	0.006	0.003	0.008
MoLa	mini	0.02~2.00	...	...	0.02	0.002	0.002	0.002	0.010	0.003	0.005	0.006	0.003	...
MoY	...	0.01~1.00	...	0.02	0.002		0.002	0.002	0.010	0.003	0.005	0.006	0.003	...
MoK	mini	...	...	0.005~0.05	0.02	0.025	0.002	0.002	0.010	0.003 0.070	0.006	0.003	...	
EDM molybdenum wires, electrical discharge machining molybdenum wires, molybdenum cutting wires, Mo wires.														