

TUNGSTEN CARBIDE BROCHURE

CATALOG

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Customized Products

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Tungsten Ball

Tungsten Strip

Tungsten Mold Material

Tungsten Ring

Tungsten Saw Blade Blank

Boring Bar

Water Jet

Tungsten Cutting Tool

Cemented Tungsten Woodworking

ABOUT COMPANY

DTEC is an expanding company focused on manufacturing and supplying sealing components and spare parts for both local and global markets. We prioritize high-quality products that fulfill market needs, emphasizing performance and reliability in our offerings.

WHAT IS TUNGSTEN?

Tungsten carbide is a strong and durable compound made of tungsten and carbon, known for its exceptional hardness and resistance to wear. It is commonly used in industrial applications, such as cutting tools and jewelry, due to its strength. Tungsten carbide faces are sealing components in mechanical seals for pumps and compressors, preventing leakage between moving and stationary parts in pressurized machinery.

Tungsten Carbide Faces

Mechanical seals feature faces that touch directly, forming a barrier against leakage. Tungsten carbide is an excellent choice for these faces due to its hardness and wear resistance, providing a durable and dependable sealing solution even under challenging conditions.

The use of tungsten carbide faces alongside compatible materials like carbon or ceramic ensures effective sealing and reduces friction and wear. These characteristics are essential for enhancing the efficiency and reliability of diverse industrial machinery.

Mechanical seal rings are designed for use in oil refineries, petrochemical facilities, fertilizer production, and the pharmaceutical industry. They are engineered to endure extreme temperatures and pressures.

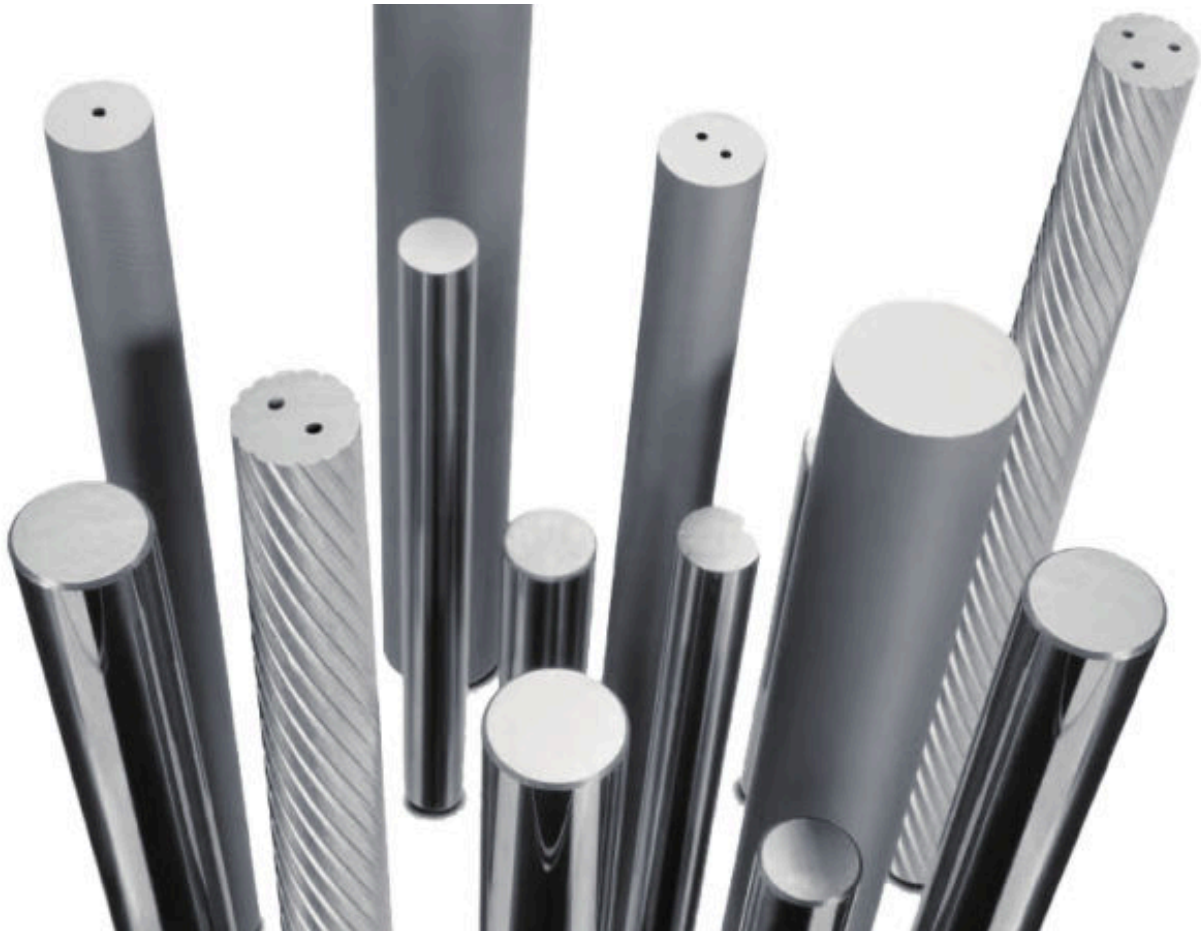
Tungsten Carbide Rings typically use Cobalt as the binder. This dense, metallic material appears light gray with a bluish hue and decomposes at 2,600° C (4,700° F) instead of melting. It is created by heating powdered tungsten with carbon black and hydrogen at 1,400°–1,600° C (2,550°–2,900° F).

___ Customized products

- Our technical team is highly skilled and committed to the production and development of our tungsten carbide products.
- Our delivery times are quick and reliable for both standard and custom products.

___ Our strong products are below:

- Cemented carbide for woodworking, Carbide balls and rods.
- Tungsten carbide plates and strips.
- High-precision customer-specific carbide parts(according to drawing).
- Tungsten carbide bushing.
- Tungsten carbide shear knife.
- Tungsten carbide drawing coefficient tips, etc.
- Tungsten carbide rings
- Tungsten carbide seal face



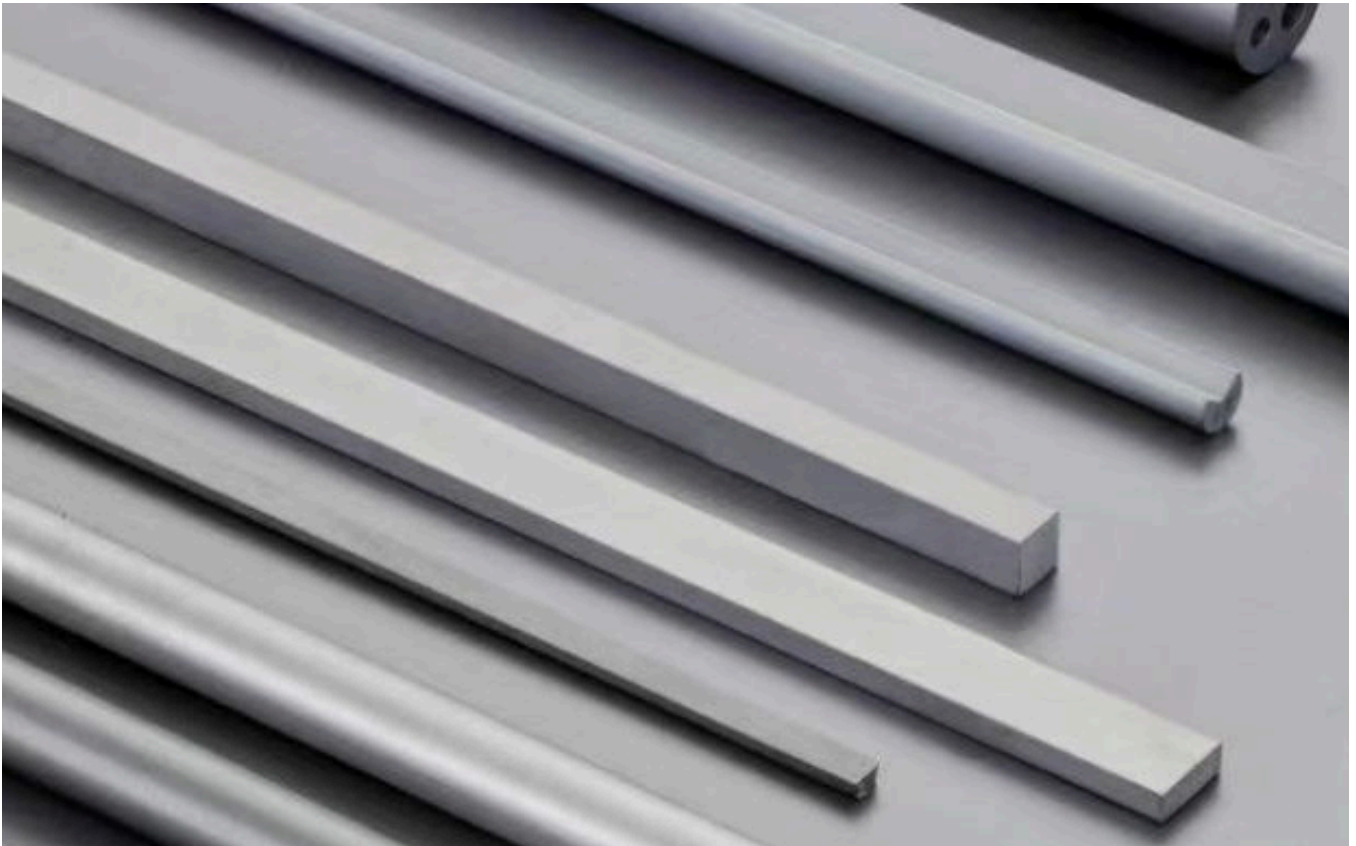
variety Of Round Rod

- Solid Finish Short Rod
- Solid Carbide Ground
- Metric Solid Finish Short Rod
- Metric Solid Fine Ground Round Rod
- Metric Solid Blank Round Rod
- Precision Ground Rod, 1,2,3 Straight Hole Centered
- Unground Rod, 1,2,3 Straight Hole Centered



Usages:

The Tungsten ball is perfect for milling various materials. These grinding balls excel in precision applications such as punching member stretches, precision bearings, instruments, meters, pens, spraying machines, pumps, machinery components, valve seals, brake pumps, squeeze-hole punches, and hardness measuring instruments in high-end industries.



Usages:

The Tungsten Strip is ideal for machining solid wood, MDF, gray cast iron, nonferrous materials, particle board, automotive mold stamping, silicon steel sheets, punching needles, and belt cleaners.



Usages:

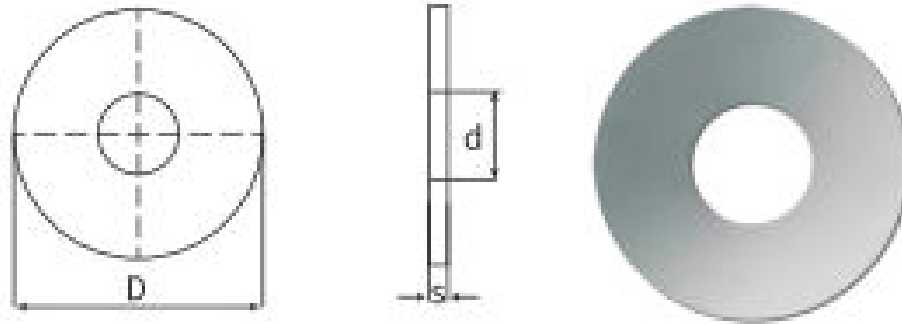
Silicon steel sheets, Cold rolled sheets, General purpose, Fastner Mold, Hot Punching die for screw and nut.



Usages:

Mechanical seal face

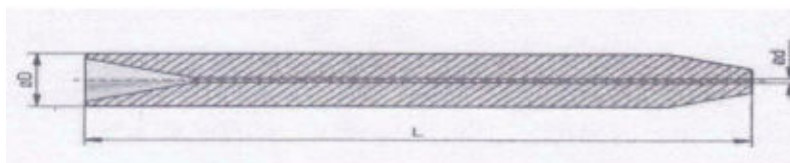
Tungsten Saw Blade Blank



Tungsten Boring Bar



Tungsten Water Jet



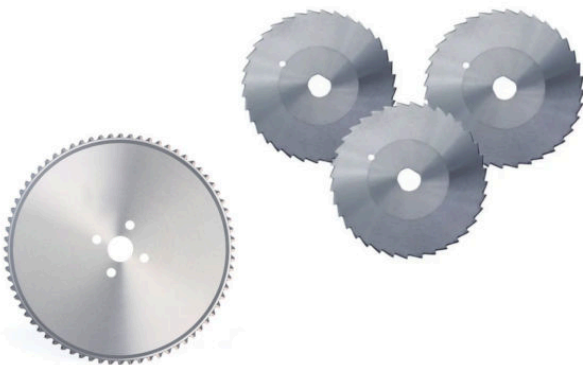
Tungsten Cutting Tool



For Corrugated Bord Cutting



For Packing Industries

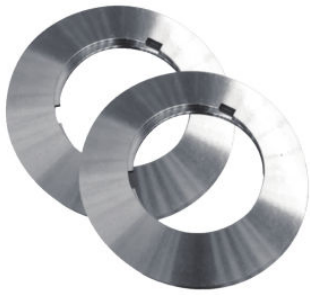


For Paper Industries



Rewinder Knife

Tungsten Cutting Tool



For Metal Cutting



For Bettary Poles Cutting



For Chemical Fiber Cutting



Flim Cutting Blade



Pen Blade



Tungsten Cutting Tool



Suqare Blade



Optical Fider Cutting Blade



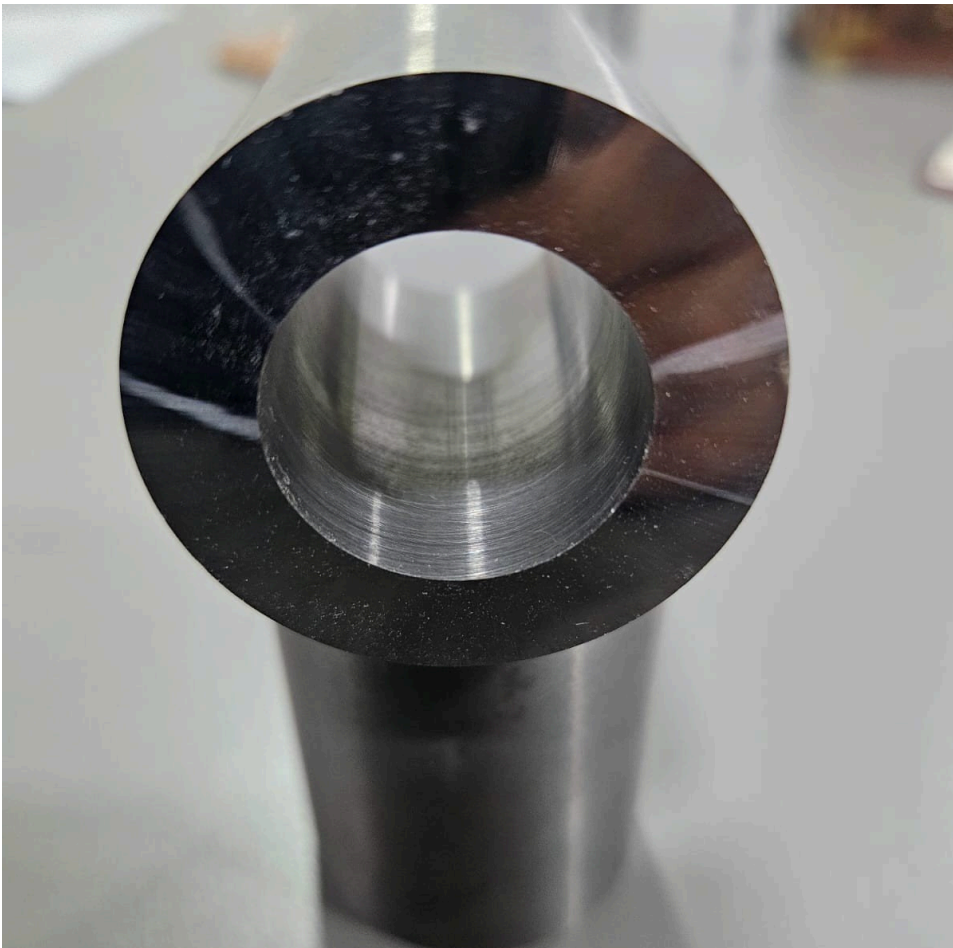
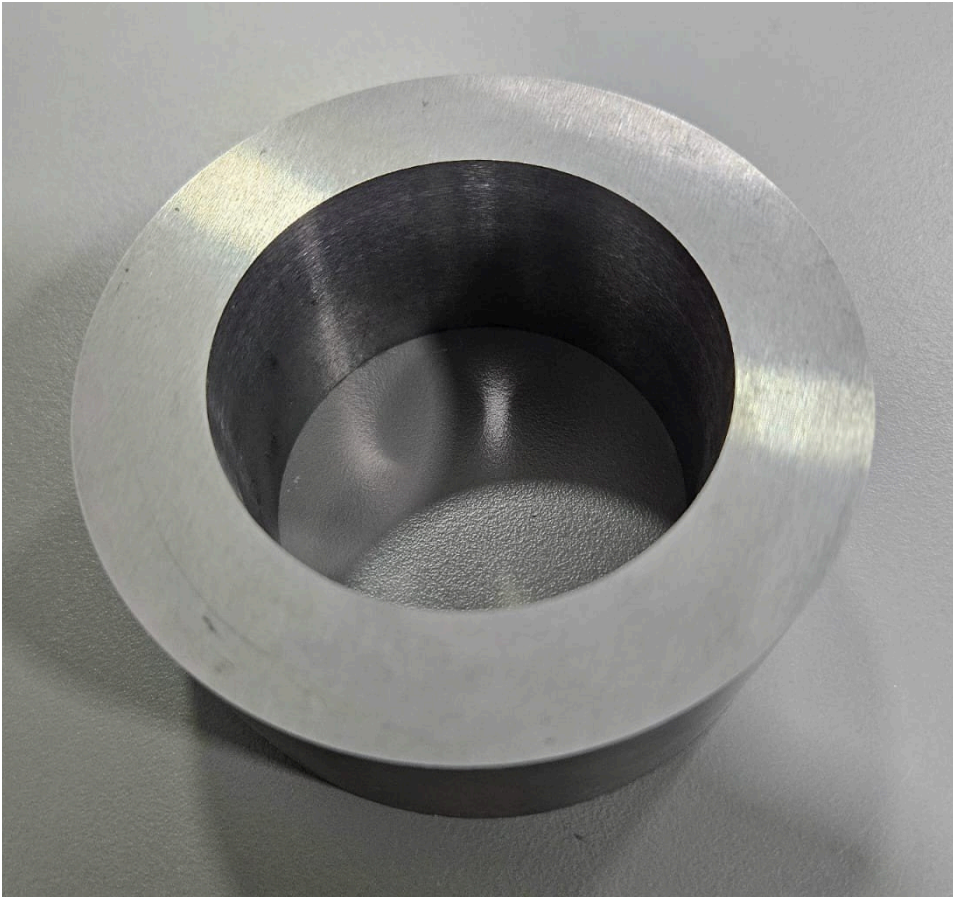
Insert Blade



Small sharpened Blade



Tungsten Carbide Bush



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