



Engineering Products Catalog

Welcome to our comprehensive engineering products catalog. Our range covers a variety of essential components and services, designed to meet your specific project requirements.

By Eterns Overseas



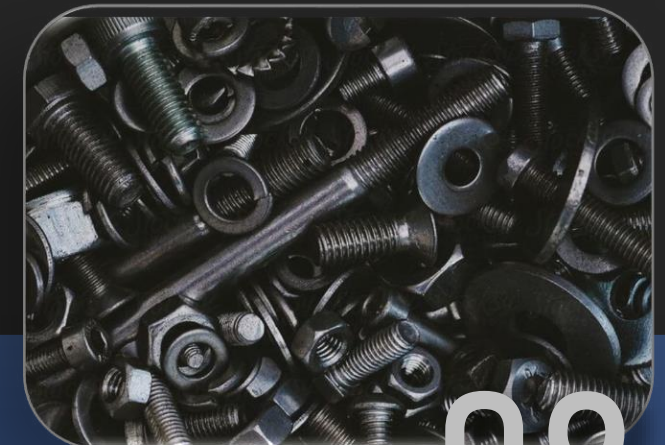
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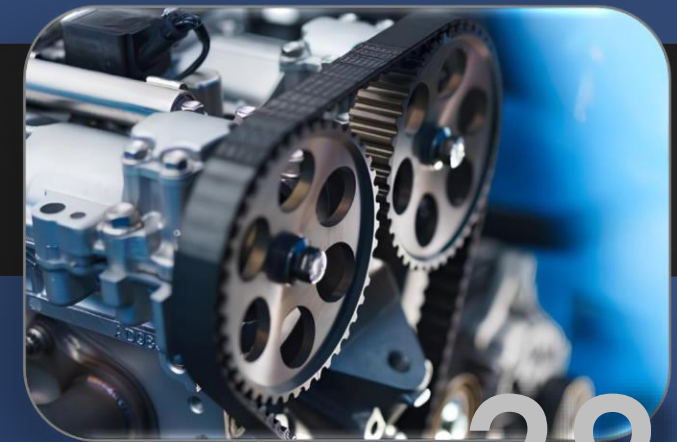
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Discover the precision and reliability of our mechanical bearings, meticulously engineered to optimize the performance of your machinery. At Eterns Overseas, we offer a wide range of bearings, from standard ball and roller bearings to custom solutions, all designed to meet the highest industry standards. With a focus on durability and efficiency, our bearings ensure smooth operation, reduce maintenance needs, and enhance the overall productivity of your equipment. Trust in our expertise to keep your machines running flawlessly, even in the most demanding environments.

BEARINGS



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BALL BEARINGS



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ROLLER BEARINGS



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PLAIN BEARINGS



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NEEDLE BEARINGS



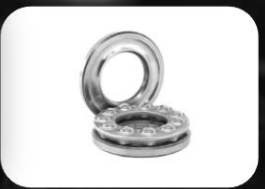
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TAPER BEARINGS



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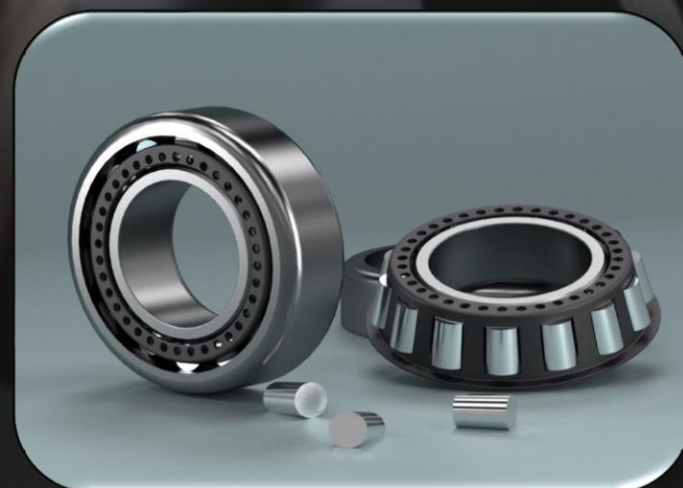


07

MAGNETIC BEARINGS

BALL BEARING

Our ball bearings are precision-engineered for durability and smooth operation, reducing friction and enhancing performance across various applications. Crafted from high-quality materials, they ensure long-lasting reliability and efficiency under demanding conditions.



ROLLER BEARING

Our roller bearings are designed to handle heavy radial loads with ease, providing exceptional durability and efficiency. These bearings feature cylindrical rollers that reduce friction and ensure smooth, reliable performance in demanding industrial applications.

PLAIN BEARING

Plain bearings, also known as bushings, offer simple yet effective solutions for reducing friction between moving parts. Our plain bearings are made from high-quality materials, providing reliable performance with minimal maintenance in various mechanical applications.



NEEDLE BEARING

Needle bearings are perfect for applications where space is limited, yet high load capacity is essential. Our needle bearings are crafted to deliver precision and reliability, featuring long, slender rollers that minimize friction and support heavy loads efficiently.



Our taper bearings are engineered for superior performance in handling both radial and axial loads. With a conical roller design, these bearings offer stability and longevity, making them ideal for applications that demand high precision and reliability.

TAPER BEARING

CYLINDER BEARING

Cylinder bearings are built to manage high radial loads, offering excellent load distribution and reducing friction. Our cylinder bearings are designed for smooth, consistent performance in heavy-duty industrial environments.



THRUST BEARING

Thrust bearings are specifically designed to handle axial loads efficiently. Our thrust bearings provide reliable performance, minimizing friction and ensuring smooth operation in applications where axial stability is crucial.



SPHERICAL BEARING

Spherical bearings are ideal for applications involving misalignment or shaft deflection. Our spherical bearings offer flexibility and resilience, ensuring smooth operation and long-lasting durability in challenging environments.

FLUID BEARING

Fluid bearings rely on a thin layer of liquid to reduce friction between moving parts. Our fluid bearings are designed for high-speed applications, providing ultra-smooth, noise-free operation with minimal wear and tear.



MAGNETIC BEARING

Magnetic bearings use magnetic fields to suspend moving parts, eliminating contact and friction. Our magnetic bearings offer cutting-edge technology for high-speed, precision applications, delivering virtually frictionless operation and extended lifespan.



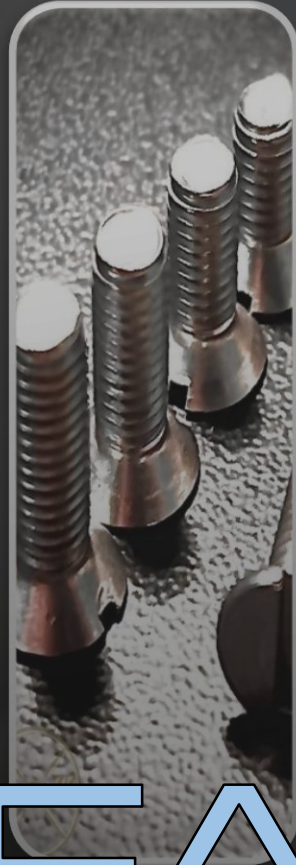


SHEET METAL WORKS

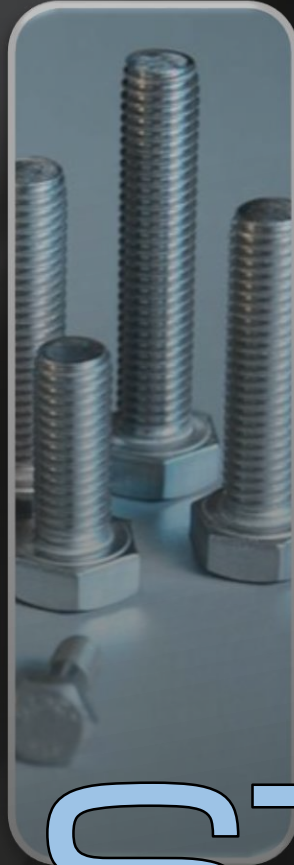


AND FABRICATIONS

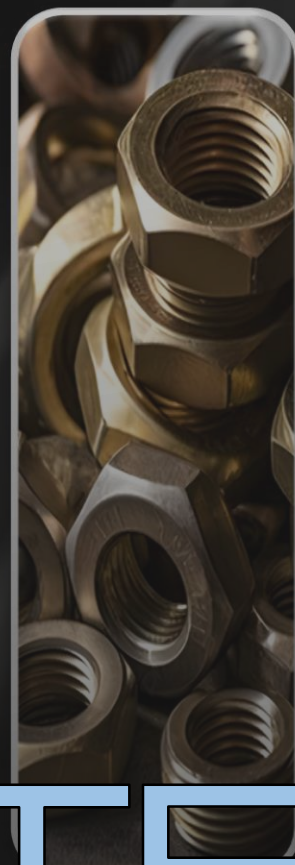
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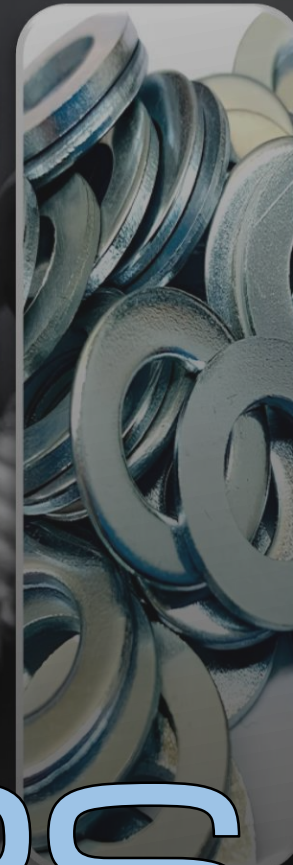
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FASTENERS AND FABRICATIONS

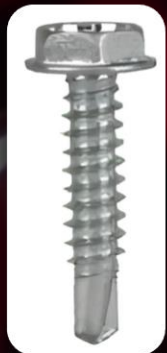


SCREWS



1. FLAT HEAD SCREW

Flat screw heads completely sit with the surface which leave no part of head exposed therefore these screws need to be countersink.



2. Flange Head Screws:

The head of the flange screws can be circular to hexed and are extended out from circular flange situated directly below the head.



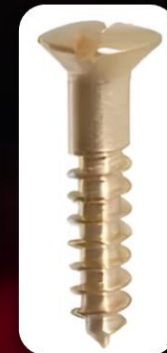
3. Bugle Head Screw:

The shape of these screws is similar to flat screw head but under the surface of head it has an angle which helps in reducing the damage to the surface



4. Truss Head Screws:

In comparison to the other screw head truss screw head are wider and they have a rounded surface.



5. Raised Head Screw

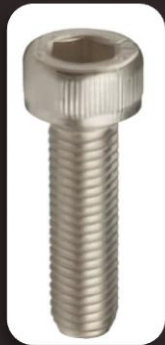
Raised head are also known as oval shaped head, and they have angle which is similar to that of flat screw but they have dome shaped head.



6. Combination Head Screw:

Combination head screws can be driven with either a flathead or Phillips screwdriver, offering versatile and easy fastening.

SCREWS



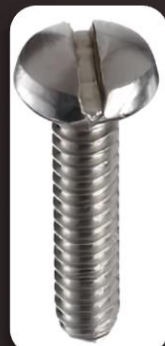
7. Internal Hex Screw:

They are generally used for furniture which need assembly and cannot get damage by Allen wrench at the time of installation which results in pleasing finish.



10. External Hex Screw:

They have hexagonal shape at head which extend beyond its surface. Some of them have built in flange while other have hexagon shape over their full head.



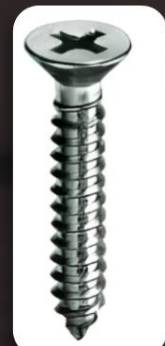
8. Binding Head Screw:

They are a unique screw which are used for various of projects. They have domed head and can screw in each other.



11. Pozidriv Head Screw:

These screws are somewhat similar to Phillips screws but pozidriv screws have more grooves which results the shape of pozidriv screws resembling a star.



9. Phillips Head Screw:

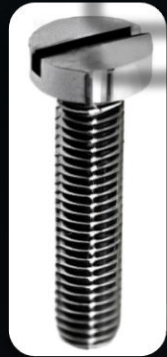
They are most common screw among all. They have cross shape which helps in self centering the screw which avoid the drilling in odd angles.



12. Quadrex Head Screw:

These head drive are also called as Phillips square drive and they are the combination of square recess and Phillips. Here middle of cross shape are squared instead of pointed.

SCREWS



13. Slotted Head Screw:

These are the screws which are generally referred as the flat head screws due to the narrow opening provided for flat screw driver.



16. Star Head Screw:

These screws encompass various different styles which form the shape of stars. There is a double square drive which have two Robertson's squares which create 8-point star in middle.



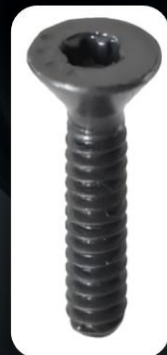
14. Square Recess Screw:

These screws are generally known as Robertson's. They have square center point which prevent them from stripping out.



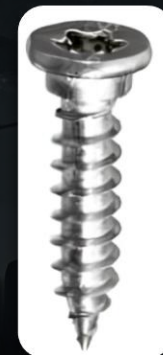
17. Tri Wing Screw Head:

These screws provide more security in compared to all other screws and can sustain more force. They require special driver for their installation and removal.



15. Torx Screw Head:

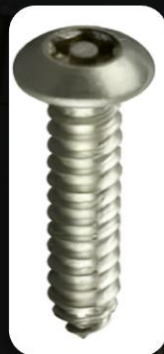
In the middle of these screws they have 6 point star shape and they are generally used for electronics items such as DVD players and computers.



18. Torx Plus Screws:

These screws have smaller grooves which enable the screw driver to have more contact with screw head which allow us to apply more force on it.

SCREWS



19. Pin Head Screws:

Pin screws are one of the most common tamper resistant screw, they have same design like a cross shape in Philips screw having additional layer which is provided for the prevention of easy removal.



21. Dome Head Screws:

Domed head screws are very common type of screw. They are best suited for the work in which head of the screw are not hidden like flat head screws.



20. Sentinel Screw Head:

These screws provide very high level of protection because they can be driven only in one way. They are very difficult to remove so they are best for permanent fixtures.



22. 2 Hole Screws:

They provide security with maintaining the finished look. Their heads are flat in which there are two small holes are provided and they need special tool for their installation as well as removal.

STUDS



1. Full Threaded Studs:

These have threads running the entire length of the bolt. They are often used for flange bolting.



2. Flange Stud Bolts:

These are specifically designed for flange connections and are usually fully threaded.



3. Double End Studs:

These have equal threads on both ends with an unthreaded section in the middle. They are used where a head is not accessible and both sides require a nut.

STUDS



4. Reduced Shank Studs:

These are similar to double end studs but have a reduced diameter shank in the middle. This design helps reduce weight and can offer flexibility in certain applications.



5. Reduced Shank Studs:

These are similar to double end studs but have a reduced diameter shank in the middle. This design helps reduce weight and can offer flexibility in certain applications.



6. Weld Studs:

These have one end designed to be welded onto a surface, with the other end threaded to accept a nut..

NUTS



1. Hex Nuts:



2. Lock Nuts:



3. Wing Nuts:



4. Cap Nuts (Acorn Nuts):



5. Flange Nuts:



6. Square Nuts:



7. Coupling Nuts:



8. T-Nuts:



9. Jam Nuts:



10. Keps Nuts:



11. Castle Nuts
(Slotted Nuts):



12. Square Weld
Nuts:

NUTS



13. Serrated Flange Nuts:



14. Knurled Nuts:



15. Cage Nuts:



16. Prevailing Torque Lock Nuts:



17. Insert Nuts:



18. Clinching Nuts (Captive Nuts)

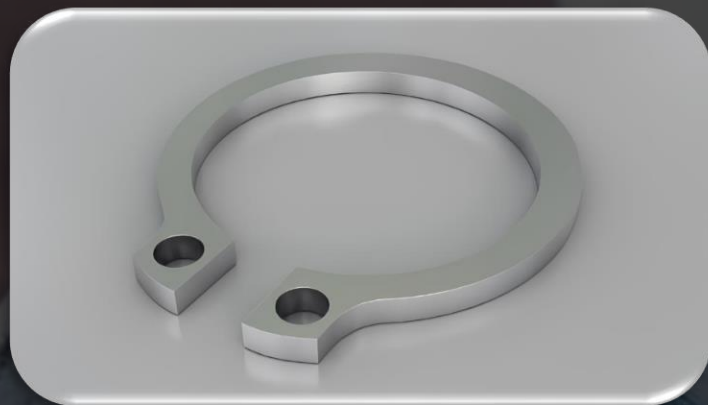


19. Blind Nuts (Rivet Nuts):

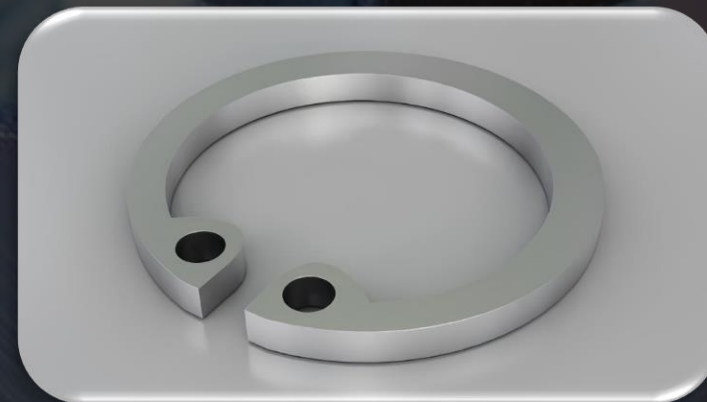


20. Hex Slotted Nuts:

CIRCLIPS



1. External Circlip :



2. Internal Circlip :

DOWELS



1. Metallic Dowel:



2. Wooden Dowel :



3. Dowel Plastic:

WASHERS



1. Flat Washer



2. Fender Washer



3. C-Washer



4. Dock Washer



5. Finishing Washer



6. Split Lock Washer



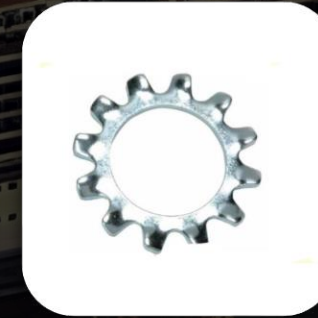
7. Wave Washer



8. Belleville Washer



9. Internal Tooth Lock Washer



10. External Tooth Lock Washer



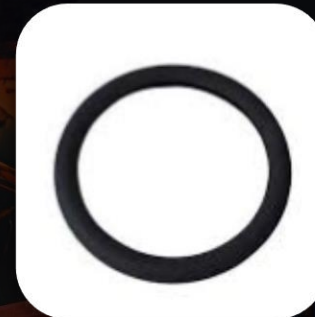
11. Combination Tooth Lock Washer



12. Rubber Washer



13. Bonded Washer



14. O-Ring Washer



15. Neoprene Washer



16. Shoulder Washer

WASHERS



17. Tab Washer



18. Dome Washer



19. Countersunk Washer



20. Cup Washer



21. Keyed Washer



22. Spring Lock Washer



23. Square Washer



24. Star Washer



25. Heavy-Duty Washer



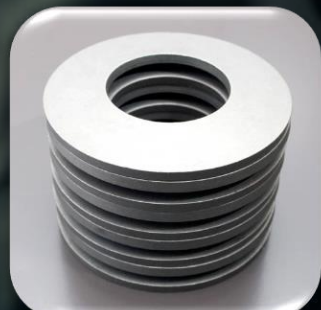
26. Hardened Washer



27. Spherical Washer



28. Belleville Disc Washer



29. Spring Belleville



30. Gasket Washer



31. Clipped Washer



32. Serrated Washer

ANCHOR BOLTS



1. L-Bolts:



2. J-Bolts:



**3. Headed
Anchor Bolts:**



4. Plate Bolts:



**5. Expansion
Anchor Bolts**



**6. Wedge
Anchor Bolts:**

ANCHOR BOLTS



7. Sleeve Anchor Bolts:



8. Drop-In Anchors:



9. Chemical or Adhesive Anchors:



10. Threaded Rods:



11. Hook Bolts:



ANCHOR BOLTS



12. Toggle Bolts:



14. Molly Bolts:



13. Concrete Screws:



WELDING ACCESSORIES

WELDING ELECTRODES AND WIRES

1. Stick Electrodes (SMAW)

- E6010
- E6011
- E6013
- E7018



3. Flux-Cored Electrodes (FCAW)

- E71T-1
- E71T-GS



2. MIG Welding Electrodes (GMAW)

- ER70S-6
- ER308L (for stainless steel)



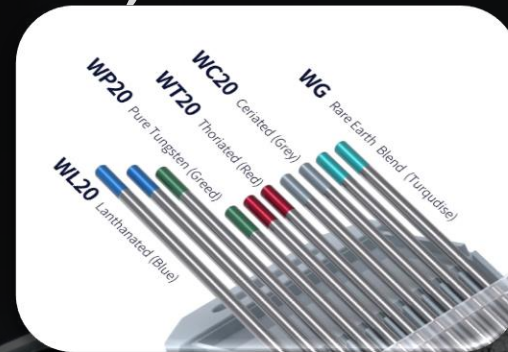
4. Aluminum Electrodes

- E4043
- E5356

WELDING ELECTRODES AND WIRES

5. TIG Welding Electrodes (GTAW)

- Pure Tungsten (green)
- Thoriated Tungsten (red)
- Ceriated Tungsten (gray)



7. Low-Hydrogen Electrodes

- E7018



9. Hard facing Electrodes

- EFeMn-B (for manganese steel)
- ECoCr-B (for cobalt alloys)



6. Cellulosic Electrodes

- E6010



8. Stainless Steel Electrodes

- E308L-16
- E309L-16

WELDING ELECTRODES AND WIRES



1. Welding Tips



2. Argon Regulator



3. Welding Glass



4. Flashback Arrestors



5. Welding Helmet



6. Welding Spray



7. Welding Nozzles

V-BELT AND TIMING BELT



PIX



CONTITECH



TURBOFLEX



FENNER