



STATE ENTERPRISES

FASTENING & ASSEMBLY TECHNOLOGY

Blind Rivets

Structural Blind Rivets

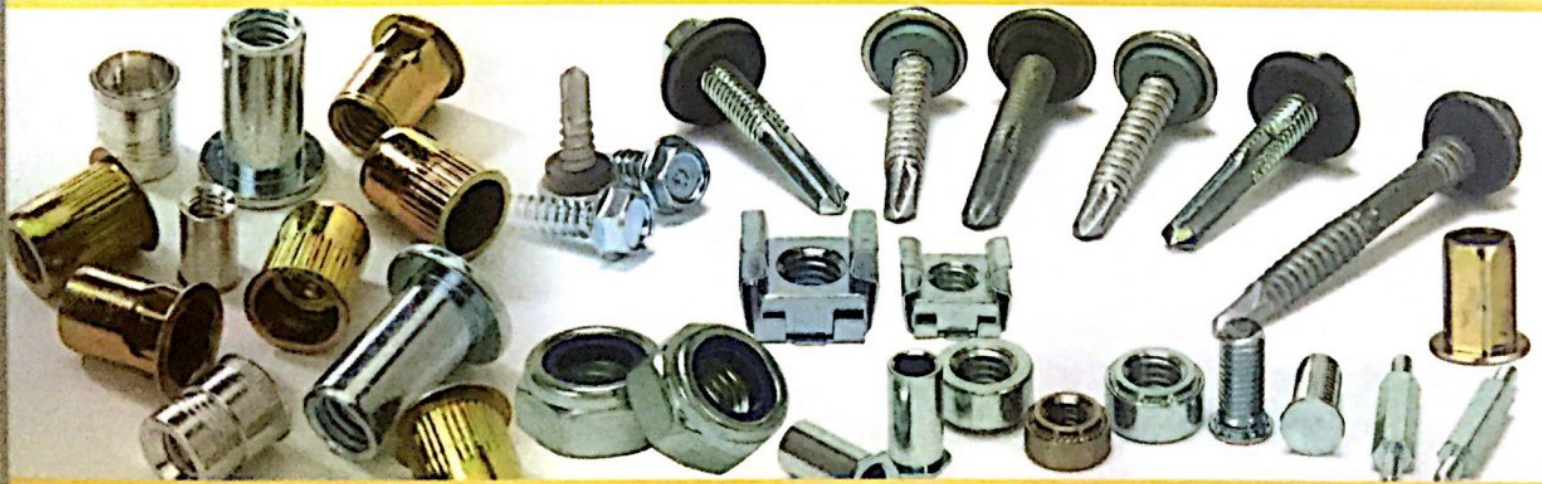
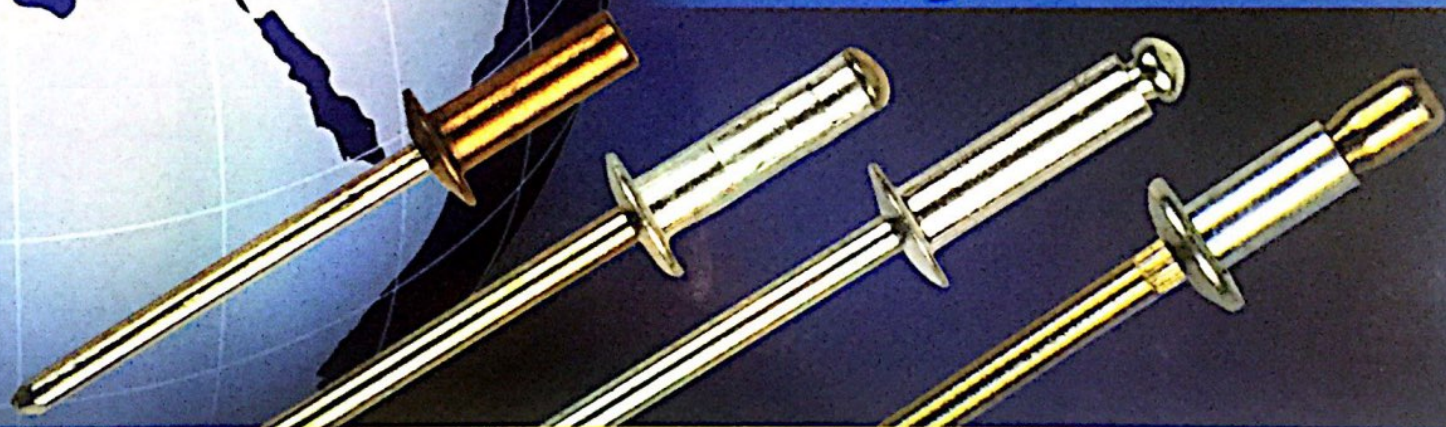
Self Clinching Fasteners

Self Drilling Screws

Blind Rivets Nuts

Cage Nuts

Riveting Tools



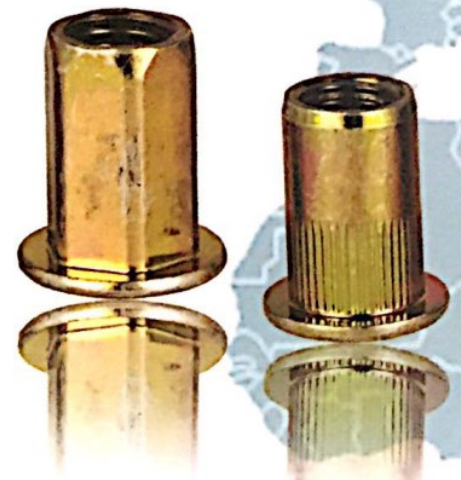


BLIND RIVETS

Blind rivets are high strength one piece break-stem fastener that requires access from one side only. They are available in various materials such as Aluminium alloy, Steel and Stainless steel in a variety of lengths & diameters. Also they are available in various head forms; Dome Head, Countersunk and Large flange to suite applications where wide load spread or flush surface is required. Blind rivets provide an economical means for fastening metal parts where easy disassembly is not required. Our aluminum, aluminum-steel, stainless steel and steel blind rivets meet IFI Specification 114.

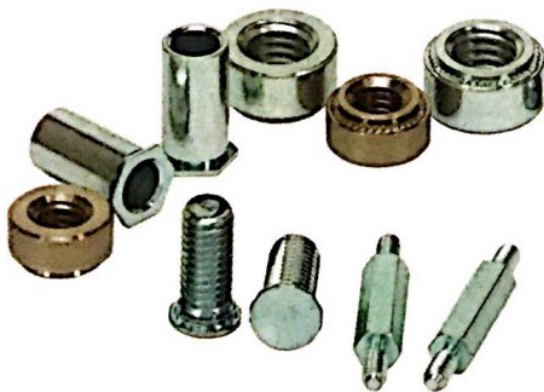
BLIND RIVETS NUTS

Rivet nuts are used primarily to install threads in sheet or plate metal where a drilled and tapped thread is not an option. We offer open and closed-end cold-forged zinc-plated steel and 302 stainless steel blind rivet nuts in flat head, reduced (low profile) head and semi-hex body styles. Our rivet nuts are available in industry-standard dimensions and are interchangeable with rivet nuts from other leading suppliers. Blind rivet nuts are ideal for many and varied applications including automotive, electronics and sheet metal enclosures, requiring load bearing threads especially on thin sheet metal. They are best used on areas where tapping threads are not practical or using a nut is not possible or cost effective. It is called "blind" because they can also be installed into areas where only one side of the work piece is accessible.



SELF CLINCHING FASTENERS

Self Clinching Fastener is any device, usually cylindrical, that when inserted into a ductile metal displaces the host material to form a permanent hole. This action causes the metal to conform to the shape of the fastener. This designed annular recess in the shank of the fastener, along with a serrated clinching ring, ribs or hex head prevents the fastener from rotating in the host material once it has been properly installed. The self clinching fasteners becomes an integral part of the host bracket or assembly into which they are installed. The sheet remains flush on one side, and the fastener is permanently locked in place.



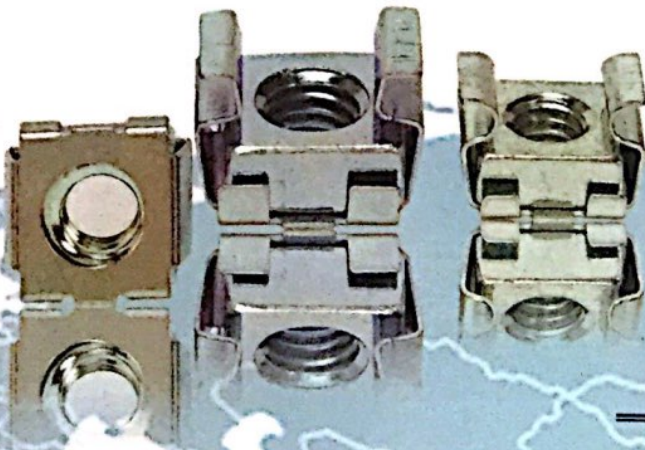
RIVETING TOOLS

Beyond the fastening element we also provide the accompanying machines and systems used for processing. Our range covers from hand held units to process controlled systems for state of the art line production. Our coordinated fasteners and processing units ensure optimum production processed for you. We offer processing tools for any application from simple hand pliers for individual fixtures to mechanical hand operated tools for medium and large scale production.



CAGE NUTS

A cage nut consists of a square nut in a spring steel cage which wraps around the nut. The cage has two wings that when compressed allow the cage to be inserted into the square holes in equipment racks, and when released hold the nut in position behind the hole. The nut is usually slightly loose in the cage to allow for minor adjustments in alignment. Cage nuts are suitable to fit into either square or rectangular holes and eliminate the need for welding, clinching or staking. They are easily installed using pliers to close the 'ears' of the cage. Releasing the 'ears' allows them to expand and grip the panel with access from only one side of the panel (or blindside). The range we offer is available with metric threads, although we can supply imperial threads upon requests.



STRUCTURAL BLIND RIVETS

Structural Blind Rivets are fasteners with exceptional shear and tensile strength and a large blind side bearing area against the rear sheet. M-Bolt structural rivet is a high strength structural blind rivet with a locked stem and a positive hole fill for use in heavy duty applications, where safety and performance is paramount to the customer demands. H-lok fastener is an other structural breakstem fastener with exceptional shear and tensile strength featuring an interference lock ensuring the strongest vibration resistant joints whilst the large blind side bearing area spreads the load and prevents creep. A-bulb and A-nox rivets offer a high-strength fastening solution ideal for thin sheet metals. The A-bulb' provides excellent bulbing tail formation and high shear and tensile strength, also having the advantage of good hole fill for irregular, oversized or misaligned holes.



SELF DRILLING SCREWS

Self drilling screws drill their own hole and tap their own thread. They are specially developed for various applications. They provide high pullout strength, shear strength and maximum thread engagement and positive fastening in both structural steel and timber constructions. With the help of Self drilling fasteners, drilling, tapping and fastening jobs are simplified into one. Assembly and on-site labour time is greatly reduced by eliminating the task of alignment or the need to pre-drill holes. Fastening operations in roofing, cladding and assembly can be completed in less time often halving the time of old conventional methods.

- ✓ Also available in high-performance corrosion resistant coating.
- ✓ Also available with EPDM and metal bonded EPDM Washers





PROFILE

State Enterprises founded in the year 2005 is engaged in manufacturing and supply of quality industrial fasteners. With our head office and plant in New Delhi, we have authorized dealer network all across India. We also provide industrial fasteners and fastening systems to the automotive, aircraft, switchgear, white goods and electronics industries in India.

We have gained valuable expertise in the various fields of fastening technology. We are always committed to meeting the needs of our customers. The variety of those needs is what inspires us to develop new solutions and concepts in fastening technology.

State Enterprises is poised to be your fully integrated partner in every stage of the product cycle. We closely work with major manufacturers in a number of industries, allowing customers to focus on their core competencies while we manage their fastening and assembly requirements. Drawing on our well established product and application experience, we can design the optimal installation system for your assembly process.

Our marketing, dealership and service network ensures a high degree of consumer satisfaction and excellent after sales service to the end user. SE's success has been and will continue to be based on a commitment to provide its customers with the best quality products and services available.



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