



FASTENER GUIDE

WHITESELL PRODUCTS

Standard and
Customized Fasteners
for any Application

**DRIVING
BEYOND**

Standard

SHEET METAL SCREWS



Advantages

Sheet metal screws form their own mating thread in punched, extruded, pierced or drilled holes.

Applications

Ideal in applications where thin gauges of metal need to be joined together. Types include type AB, B, and C.

Advantages

Machine screws are available in a wide variety of head styles, drives, sizes and materials.

Applications

Suitable for assembly with nuts, tapped holes, speed nuts, etc.

MACHINE SCREWS



THREAD CUTTING SCREWS



Advantages

Screws cut their own properly sized mating threads eliminating an expensive tapping operation.

Applications

Used in metal, plastics and composites. Suitable for sheet metals and blind holes.

Advantages

Whitesell's drill screw requires no hole preparation. It drills a properly-sized hole, forms a thread and provides a secure joint.

Applications

Hole alignment problems, and hole and tapping costs are eliminated.

SELF DRILLING SCREWS



WOOD SCREW



Advantages

A long, sharp point and deep thread allow easy driving, reduced pressure, high strip and pull out resistance.

Applications

Drill and tap into soft and hard woods.

Fastener

Pre-assembled washers are free to rotate, but will not drop off, assuring that the right washer will always be used. Order and inventory control is simpler.

Whitesell sems have a broad range of applications from locking and hole spanning to finishing, sealing and providing tension where needed.

Advantages

Applications

SEMS



BOLT PRODUCTS

Advantages

Whitesell carries a complete line of bolt products. A full range of sizes are available in all grades and finishes.



Advantages

Nuts provide an inexpensive assembly for threaded fasteners. Available in different styles and materials. Parts are supplied plated to specifications.

NUT PRODUCTS



OTHER FASTENERS

Advantages

Whitesell can cold form low cost, one piece fasteners to replace expensive machined parts or multiple part assemblies. Fasteners with special head and shoulder configurations can also be produced.



Products

Specialized

• WHITELOCK™ I-II-III • *Advantages*

Whitelock™ screws for sheet metal drastically improve strip-out and have high resistance to loosening.

Applications

Ideal for thin sheet metal applications where strip-out and loosening is a problem. Permits the use of lighter gauge stock in many applications.



Advantages

Pierce-Lock™ features a long sharp point which allows the screw to pierce and extrude its own hole. With the patented Whitelock™ feature, a serrated undercut reduces strip-out in thin metals.

Applications

Use in thin metals to pierce hole and to achieve a superior strip-out.

• PIERCE-LOCK™ •



• WHITE-TITE® • TRI-ROUNDULAR SCREW •

Advantages

A “TT” screw equivalent, White-tite® tri-roundular thread-rolling screws roll-form strong, high integrity threads in drilled, punched or cored holes in ductile metals and castings

Applications

All ductile metals, die castings and punch-extruded metals.



Advantages

Forms threads in ductile metal and castings. High strip-out in thin metals will free-spin into UNC-2B nuts or tapped holes. Can be used as a machine screw when consolidation is required.

Applications

Use in thinner materials where higher strip-out and prevailing torque is required.

• ROUND-BODIED WHITE-TITE® •



Screw

THREAD-LOCKING TRI-ROUNDULAR SCREWS

Advantages

Thread-locking tri-roundular screws incorporate tri-round threads dimensioned to provide locking in tapped holes. A 30° thread-locking crest is superimposed on the normal 60° thread.

Applications

All pre-tapped metal nuts, die castings and punch-extruded assemblies where reliable, self-locking fasteners are required under conditions of severe vibration or high clamp load.



TRI-ROUNDULAR "CA" & EXTRUDING SCREWS

Advantages

Step Taper CA Point tri-roundular thread rolling screws have a gimlet point for use when clearance holes and pilot holes are not in line. Tri-roundular extruding screws have less tri-roundular shape and also have a gimlet point for use in more demanding sheet metal applications or in applications with minimal length of engagement.

Applications

For extremely rapid hole finding; for applications with floating nut members; where clearance and pilot holes are initially out of line or where a sheet of material (gasket, carpet) must be pierced.



Advantages

Triangular point thread forming screw makes its own thread and has excellent resistance to vibration. 10° Helix angle drives 85% faster. U.S. Patent No. 5,244,327.

Applications

Forms its own thread into I-beam to hold wood and metal flooring on truck and trailer beds.

WHITETAP®



SPECIALS

Advantages

Whitesell also manufactures everything from machine screws to specially formed threaded parts. Whitesell's wide-ranging product capabilities have enabled us to become a "single source" supplier for many leading OEMs.



Products

Engineered

PALNUT FASTENERS



Advantages

Stamped, lightweight spring steel fasteners for threaded and non-threaded applications. An inexpensive way to fasten, while achieving excellent tensile or clamping strength. High resistance to vibration.

Applications

Push-on and threaded fasteners for a wide range of applications.

Lightweight stamped fastener, economically priced. Single helix thread allows easy assembly while providing antivibration locking.

Allows assembly of light gauge metal, plastic, composites, etc.

J TYPE & U TYPE SPRING STEEL NUTS

Advantages



Applications

Allows assembly of light gauge metal, plastic, composites, etc.

GRABB'R™



Advantages

Self-piercing expansion nut. Can be used with a wide variety of materials, thicknesses and compositions. Provides constant prevailing torque. The Grabb'r™ is self-aligning and anti-rotational. Automatic installation guns are available.

Applications

Used in blind applications where an attachment point is required. Can be used in plastics or sheet metal. The Grabb'r™ is also available for drywall and concrete applications.

Advantages

Plug buttons are an easy solution to closing unavoidable holes. They can be quickly snapped into place by hand and are suitable for use with metal, plastics, fibreboard, etc. T-Nuts are bushings with internal threads and a substantial base, covering the function of a nut and washer.

Applications

Plug buttons are used for closing holes at tube ends such as in furniture applications. T-nuts provide internal threads where tapping is not possible. They eliminate costly tapping, simplify design and add strength to relatively weak materials.

PLUG BUTTON / T-NUT FASTENERS



PLASTIC FASTENERS



Advantages

Plastic fasteners are economical, light weight and corrosion free. They offer easy installation by hand or automated tools. A wide variety of types can be supplied in numerous colours.

Applications

Plastic fasteners snap fit to quickly join two or more thicknesses of material. They can be used in applications where corrosion presents a problem.

Fasteners

PIERCE NUT FASTENERS



Advantages
Typically yielding a 50% cost savings over weld nuts, Whitesell pierce nuts pierce a hole and clinch in place all in one single operation creating a precisely located threaded hole that is an integral part of the sheet metal.

Applications
Attachment and assembly of components on metal sheets, stampings, plastic materials and more.

For installation in materials up to 7/8" thick where a strong thread is required. Conforms to NAS1329 and NAS1330 specifications.

STANDARD RIVNUT



PLUSNUT® FASTENER



Advantages
All Rivnut products are internal threaded rivets that are installed in seconds from one side of the application, with no finishing work required after installation.

Applications
Plusnuts® are used for applications in thin metal, plastic or composites and provide excellent pullout characteristics.

ITR® Fasteners are used on thin sheet metals and plastics where the application requires a near flush fit. The ribbed shank provides excellent torque resistance.

ITR® FASTENER



BLIND RIVETS



Advantages
Rivets provide a fast and permanent joint for most materials. An extensive range of sizes, styles and strengths and installation tools are available.


Applications
Standard open-end rivets are used for clamping two or more thicknesses of material together. Closed-end rivets are used where a seal is required. Multi-grip rivets offer flexibility where material thickness varies.

Weld screws/pins are versatile fasteners for making permanent attachments with high pull-out/torque off characteristics. Available in various material grades/hardness in metric and imperial threads.

WELD SCREWS

Applications
Attachment/assembly of components on metal sheets, stampings, tubes and bar in automotive and industrial settings.





*MANUFACTURERS AND DISTRIBUTORS
OF QUALITY FASTENERS*

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