



HELP CHOOSING THE RIGHT **SOLUTION FOR YOUR APPLICATION**

Our fasteners are designed to work for just about every application. However, in certain instances, a particular screw, nut, washer or rivet is the ideal choice for your task. To help you choose the fastener you need, we've put together this guide. Materials are important when making your choice, so we also recommend our Fastener Material Selection G

ELECTRONICS

White Goods | Consumer Electronics | Office Equipment

Ensure the quality and life of your product with fasteners in the sizes and tolerances you need.



KEEP YOUR DESIGN TOGETHER WITH:

HEX HEAD CAP SCREWS - PLASTIC

View online ☑



- Lightweight hex head cap screw
- Excellent electrical insulation properties
- Nylon 6/6

SNAP PUSH-IN RIVET

View online ☑



- High-temperature snap rivets operating temperature range: -40°C to 135°C (-40°F to 275°F)
- Suitable for awkward spaces
- Handles heat generated by application
- Tan Nylon 4/6 UL94-V2

FLAT WASHERS - PLASTIC

View online ☑



- Flat washer insulates against electricity
- Resists corrosion, abrasion and most chemicals
- Provides cushioning and spacing
- Nylon 6/6, rated UL94 V-2

Learn more from our guide How and When to Use Washers Effectively.

THE DESIGN ENGINEER'S GUIDE **FASTENERS**



AUTOMOTIVE

Cars | Motorbikes | Specialist Vehicles | Road and Rail Freight (Passenger Vehicles)

OEM quality you can rely on, from lightweight to heavy-duty fasteners, for every part of the vehicle.

FASTEN YOUR DESIGN WITH:

PUSH-IN RIVETS - BARBED

View online ☑



- Barbed push-fit rivets enable fast, easy installation (also called fir-tree rivets)
- Flexible ribs deflect and spring back to lock securely in place
- Nylon 6/6, rated UV94 V-2
- Operating temperature range: -40°C to 85°C (-40°F to 185°F)
- Available in over 100 sizes and styles for different hole diameters and panel thicknesses

QUARTER-TURN FASTENERS

View online ☑



- Quarter-turn fasteners join together one fixed and one removable panel
- Preassembled to reduce hardware and cost
- Available in Nylon and POM (Acetal), rated UL94 HB

RETAINING WASHERS

View online ☑



- Retaining washer with anti-loss lip is suitable for pre-assembly
- Sealing capabilities; resistant to corrosion and many chemicals

3

Nylon 6/6

Learn more with our guide When to use Plastic Washers.

Learn more with our



THE DESIGN ENGINEER'S GUIDE **FASTENERS**



RETAIL & FURNITURE

Point of Sale | Office Furniture

Our range includes strong, clear, polycarbonate fasteners ideal for retail and display solutions for furniture.



SECURE YOUR DESIGN WITH:

FIR-TREE PUSHED-IN RIVET

View online \square



- Fir-tree rivets, also called barbed rivets, are ideal for threaded, non-threaded, drilled or punched holes
- Designed to be non-removable
- Suitable for Point-of-Purchase displays
- Available in polypropylene (PP) and nylon

SINGLE-SIDED SUCTION CUPS - HOLE

View online ☑



- Ideal for hanging string, wire, or cord for display materials
- Attach to clean, flat surfaces without requiring a fastener
- PVC

THUMB SCREW KNOBS

View online ☑



- Thumb screw knobs can be used as thumb screw or knob
- Knobs easily assembled by pressing onto a standard socket head cap screw of any length
- POM. Different colours available
- Sizes vary by colour



THE DESIGN ENGINEER'S GUIDE **FASTENERS**



MACHINERY

Generators | HVAC | Industrial Tools

Fastener failures are often caused by the joint losing clamp load due to vibration and high dynamic loads. You can prevent this with the right fasteners.

ENHANCE THE LIFE OF YOUR DESIGN WITH:

CARBON STEEL PHILLIPS SHOULDER SCREWS

View online ☑



- Used in conjunction with the VG series vibration grommets
- 1022 carbon steel

You might find it helpful to read **How to** Prevent Galling on Stainless Steel Bolts.

LOCK NUTS

View online \square



- Designed for use with plastic machine screws and bolts
- Self-threading for a secure fit
- Flange & lock nut stands up to vibrations or movement
- Resists corrosion, oil, abrasion and most chemicals
- Nylon 6/6

FULLY THREADED STUDS & RODS

View online ☑



- Threaded rod stock easily cut to size
- Resistant to vibrations, abrasions and most chemicals
- Electrically insulating, non-magnetic, lightweight and low thermal conductivity

5

- Threaded stud with chamfer on both ends also available
- Nylon 6/6

CAGE NUTS

View online \square



- Square nut in a spring steel cage
- Available in M5, M6 and M8
- Suitable for securing hard-to-access areas
- Easy application and removal
- No tool required





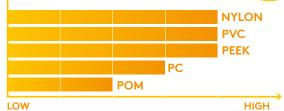
PLASTIC MATERIALS COMPARISON

Plastics have many advantages over metals. They cost less, don't rust or conduct heat or electricity and can do a better job of standing up to UV rays. You can learn more about the advantages in Plastic vs metal fasteners: why plastic can be a better choice.



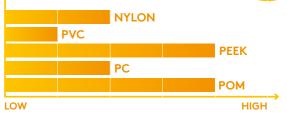
UV RESISTANCE





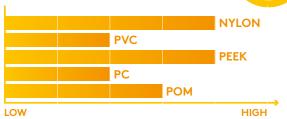
HEAT STABILITY





TENSILE STRENGTH





CHEMICAL RESISTANCE











DOWNLOAD FREE CADSAND TRY BEFORE YOU BUY

Free CADs are available for most solutions, which you can download. You can also request free samples to ensure the solutions you've chosen are exactly what you need. If you're not quite sure which product will work best for your application, our experts are always happy to advise you.

Whatever your requirements, you can depend on fast despatch.

Request your free samples or download free CADs now.

www.essentracomponents.com



45,000 PRODUCTS AVAILABLE







Email us at **sales@essentracomponents.co.uk** or speak to one of our experts for further information on the ideal solution for your application on **0845 758 5070**

