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electra^e
Engineering services

knowledge is our strength

For over 30 years Electra Engineering have serviced the needs of customers looking to purchase fasteners through a quality single source solution provider.

Extensive worldwide supply partnerships and exclusivity agreements.

Designed to reduce stock holding and associated costs whilst ensuring supply continuity. Systems are designed and maintained to suit customers specific logistical needs.



Engineering Excellence

- All types of Industrial Threaded fasteners
- All sizes of low, medium and high volume turned components
- C class components
- Pressings
- Assemblies
- PPE
- Consumables
- Abrasives & Tools
- Security Fasteners

Our operations are certified by BSI to ISO 9001 (2008)

We supply and service a number of world class OEM'S End Users & Distributors in the following sectors;

- Agricultural Machinery
- Automotive
- Automation
- Agricultural Machinery
- Cable Support
- Construction
- Distribution
- Electronics
- Fabrication
- Fencing
- Marine
- Perimeter Protection
- Petrochemical
- Power Transmission and Generation
- Oil & Gas
- Telecommunications
- And many more



Traditional
British
Engineering



Managed systems

- MS (Vendor managed systems)
- JIT
- Direct Line Feed
- Consignment Stock
- PTR (Purchase to requirements)
- Call off/schedule

Security Fasteners and Fixings

The acquisition of a Security Fasteners & Fixings (UK), in 2003, who specialise in the design and manufacture of security fasteners, illustrates the company's desire to expand into specialist markets to supplement traditional products and increase the overall service to our ever growing customer base.

Standard Industrial Fasteners & Fixings

The complete range of fixings and fasteners used in the manufacture and refurbishment of steel windows...

Standard off the shelf items or specials manufactured to customer specific drawing / requirement.

Industrial Threaded Fasteners.

Electra supplies a complete range of standard fasteners and fixings. All diameters / all lengths / all materials / all finishes.



Products include:

- Hexagon Nuts
- Hexagon Lock Nuts
- All Metal lock nuts
- Nylon Insert Nuts
- Hexagon Flange Nuts
- Dome Nuts
- Wing Nuts
- Hexagon Bolts
- Hexagon Setscrews
- Flange Bolts
- Cup Square Bolts
- Roofing Bolts
- Washers (All types)
- Machine Screws (All types)
- Self Tapping Screws
- Woodscrews
- Self Drilling Screws
- Socket Countersunk Screws
- Socket Button Head Screws
- Socket Setscrews
- Socket Capscrews
- Allthread
- Engineers Studs
- Furniture Fixings
- Rivet Nuts
- Nails
- U Bolts
- J Bolts
- Eye Bolts
- T Bolts
- Construction Fixings
- Through Bolts
- Sleeve Anchors

Wedge Nuts

Electra offers a comprehensive range of Wedge Nuts with profiles to suit numerous applications.

Specials made to order to suit decking profile

Products include:

- **Mini Wedge Nuts**
Size Range: M4-M12
Finishes: Zinc (Chromate and Cr 6 Free) Galvanised, Dacromet etc.



- **Mini Mini Wedge Nuts**
Size Range: M4-M12
Finishes: Zinc (Chromate and Cr 6 Free) Galvanised, Dacromet etc.



- **Standard Wedge Nuts**
Size Range: M4-M12
Finishes: Zinc (Chromate and Cr 6 Free) Galvanised, Dacromet etc.



- **Rib Deck Wedge Nuts**
Size Range: M4-M12
Finishes: Zinc (Chromate and Cr 6 Free) Galvanised, Dacromet etc.



Studding Connectors

Products include:

- **Hexagon Studding Connectors**
 Used for coupling applications, generally the length of the connector is three times (3X) the diameter, however, Electra supplies a complete range of non standard lengths to suit individual applications.

Mild Steel Zinc Plated - M4 - M36
 Steel Galvanised - M6 - M36
 Stainless Steel A2 - M5 - M24
 Stainless Steel A4 - M6 - M24

*We also supply special diameter and lengths outside of our stock holding range



- **Round Studding Connectors**
 Used for coupling applications, generally the length of the connector is three times (3X) the diameter, however, Electra supplies a complete range of non standard lengths to suit individual applications.

Available in various lengths and diameters.

Mild Steel Zinc Plated - M4 - M20
 Stainless Steel A2 - M5 - M20
 Stainless Steel A4 - M6 - M20

We also supply special diameter and lengths outside of our stock holding range



Precision Turned Components

Electra supplies a complete range of precision turned components ranging in both size and complexity.

Products are manufactured to the highest possible standards and tolerances using both the latest CNC technology and conventional bar turning manufacturing techniques.

High, medium and low volume supply (including prototypes) in a complete range of materials:



Products include:

- Mild Steel
- High Tensile
- Brass
- Manganese Bronze
- Monel 400/Monel K500
- Stainless Steel (303, 304, 316 and all other grades)
- Aluminium
- and many more...

Size range: All diameters up to 10" / 250mm

Delivery options including PTR and scheduling are available.

Reducers, Standoffs & Spacers

Ideal for use in the electronics industry for high voltage applications, used to couple threaded products together at a controlled distance.



• Reducers

Used to coupling differing diameter threads.

Hexagon reducers male/female

Mild steel zinc plated and A2 stainless steel.

Range from M6 - M16

Round reducers female/female

20mm O/D x 40mm long

Mild steel zinc plated and A2 stainless steel

M6 - M8

M6 - M10

M8 - M10

M8 - M12

M10 - M12

M10 - M16

M12 - M16



• Hexagonal Male Female

Ideal for use in the electronics industry for high voltage applications, used to couple threaded products together at a controlled distance.

Mild Steel Zinc Plated - M2 - M8

Brass Nickel Plated - M2.5 - M5

Stainless Steel A2 - M2.5 - M6

We also supply special diameters and lengths outside of our stock holding range



• Mild Steel Clearance Spacers

Plain non threaded round clearance spacers are used to fix/fasten applications at a controlled distance. 3.2 - 4.0mm diameter

Lengths up to 30mm

Please refer to our brochure link for full technical specifications

We also supply special diameters and lengths outside of our stock holding range



• Hexagonal Female Female

Ideal for use in the electronics industry for high voltage applications, used to couple threaded products together at a controlled distance.

Hexagonal Female/Female

Mild Steel Zinc Plated - M2 - M8

Brass Nickel Plated - M2 - M5

Stainless Steel A2 - M2.5 - M6



• Round Threaded Spacers

Mild Steel Zinc Plated - M4 - M20

Stainless Steel A2 - M5 - M20

Stainless Steel A4 - M6 - M20

Please refer to brochure link for full technical specifications.

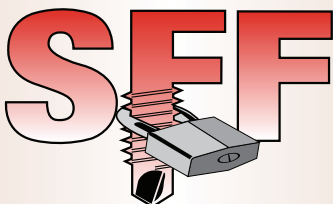
We also supply special diameters and lengths outside of our stock holding range

Security Fasteners & Fixings

Security Fasteners and Fixings (UK) have been specialising in:

- Unique security screws
- Special security screws
- Secure fasteners
- Security bolts
- Security nuts
- Tamper-proof screws
- Tamper-proof nuts
- Tamper-proof bolts and all other tamper-proof security fixings, and security fasteners.

In control of everything from the design, manufacture, marketing and distribution for over 15 years, supplying several industries including... manufacturers of high security fencing, pedestrian railings, security grills, parapet, children's playgrounds etc.



Abrasives & Burrs

Providing high performance products, helping customers maximise their productivity and driving down costs.

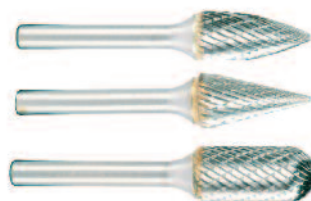


Products include:

- Quick Change Discs
- Holders
- Flap Discs
- Grind Discs
- Cut Off Discs
- Belts
- Bands
- Fan Grinders
- Bright finishing wheels
- Caps
- Rolls



- Standard Burr range – A/B/C/D/E/F/G/H/J/K/L/M/N Shapes
- Miniature Burr range
- Micro Burr range
- Long Shank range
- Coated range
- Router range
- Power cut range
- Full Burr sets



Consumables & PPE

PPE is equipment that will protect the user against health or safety risks at work. Electra supply a full range of PPE equipment such as safety helmets, gloves, eye protection, high-visibility clothing, safety footwear and safety harnesses.



Tooling & Accessories

Drills, Taps, Saw Blades, Hand Tools & Power Tools etc
Electra has distribution agreements with a number of major manufacturers ensuring brand quality at competitive prices.

Tapes & Adhesives

- Masking
- High Temperature masking
- Low Tack
- Cloth Tapes
- PVC & Packaging Tapes
- All major brands of Industrial adhesives

Silicons And Sealants

Distributors of the Everbuild product. The Everbuild brand is renowned for its quality with customers in over 70 Countries.

Available from stock and supplied against special order.



Sheet Metal Self Clinching Fasteners

We stock a wide range of self clinching fasteners in both mild steel (zinc plated) and stainless steel. Self clinching fasteners provide strong

• Stand Offs

- Through standoffs
- Blind standoffs
- Snaptop standoffs
- Alternative body standoffs

Size range: M3, M3 Alt body, M4 and M5

Material: Mild steel zinc, Stainless Steel 300 series and 400 series



• Panel Fasteners

- Panel fasteners
- Low profile panel fasteners
- Phillips head panel fasteners
- Plunger assemblies

Size range: M3 to M6

Material: Mild steel, Stainless steel 300 series, Carbon steel



• Clinch Studs

- Flush head
- Reduced head
- High strength

Size range: M2.5 to M10

Material: Mild steel, Stainless steel



load bearing male/female threads when inserted into sheet steel or aluminium.

• Rivet Bushes and Clinch Nuts

- Clinch Nuts
- Flush Nuts
- Blind clinch nuts
- Mini clinch nuts
- Floating clinch nuts
- Round rivet bush serrated shoulder
- Round rivet bush serrated spigot
- Hexagon rivet bush
- Mini rivet bush serrated spigot
- Mini rivet bush serrated shoulder
- Tank bush

Size range: M2 to M12 Self clinch nuts M2.5 to M12 Rivet bush

Material: Mild steel zinc, Stainless Steel 303/316



• Rivet Nuts

- Flat head
- Thin sheet/Reduced head
- Thin sheet hexagon body
- Countersunk
- Bulge control
- Knurled body
- Plain body

Size range: M3 to M12, All grip ranges

Material: Mild steel zinc, Stainless steel



• Weld Studs

Copper flashed weld studs
Stainless steel weld studs

Size range: M3 to M8



Fasteners for

The complete range of fixings and fasteners used in the manufacture and refurbishment of steel windows...



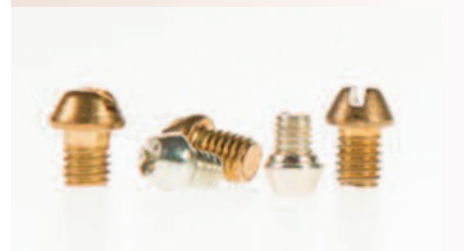
• Bar Turned Bead Studs

Metric and imperial bar turned bead studs

Size range: M4 M5 M6, 3/16" & 1/4" BSW

Material: Brass, Steel and Aluminium.

All finishes available



• Cold Headed Bead Studs

Metric and imperial cold headed bead studs.

Size range: M4 M5 M6, 3/16" & 1/4" BSW

Self Threading Types (Taptite)

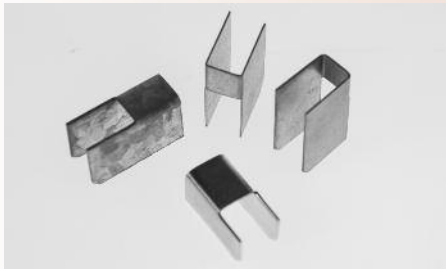
Material: Brass and Steel

All finishes available



Steel Windows

Standard off the shelf items or specials manufactured to customer specific drawing / requirement.



- **Bead Clips**

To suit imperial and metric bead.

Straight and radius type in Galvalite, and Zintec Finishes

Size range: 13mm x 8mm /
16mm x 8mm
1/2" x 1/2" & 3/8" x 1/2"



- **Slotted Cone Nuts**

Metric and imperial

With or without locating portion

Size range: M4, M5, M6, 3/16 -
1/4 BSW

Packing

We have a wealth of experience in packing and kitting. Dedicated Hi-tech weigh count machinery ensures quantities are 100% accurate.

Products can be supplied in kit form ranging in both size and complexity. Full traceability is assured in all cases.

Full kitting and sub assembly offers helps reduce non value added activities and improve production operations.

We offer the following:

- Product supplied in client branded boxes.
- Product supplied with client bar coding.
- Single item kits.
- Multi Item kits.
- Sealed bag kits.
- Boxed kits.
- Dedicated packaging for Export – Both sea and airfreight.

Logistics

"On time every time" that's our goal

Whether its next day am delivery or express airfreight we have the logistical solutions for all client delivery requirements.

Electra utilises its own fleet of vehicles for same day and next day local deliveries. Dedicated international transport companies are used for mainland UK and export service.



Design Consultation & Engineering Solutions

"Knowledge is our strength" This enables us to offer cost effective fixing solutions to suit our customer's exact requirements.

"It's more than just a part number to us"

We offer a full design consultancy for customers. Our team enjoy the challenge of providing technical assistance relating to fixing queries, helping customers ensure fast and effective installation times whilst reducing associated labour costs. Our engineers are dedicated to add value through product rationalisation and design review. We provide full technical advice relating to best "fit" fixing and also material and plating specifications.

Using the latest CAD software our design team can produce accurately controlled production drawings.





Quality Systems

Total commitment to quality assured products.

Electra Engineering constantly strives to ensure products sourced are of the highest quality and that they are manufactured 100% compliant with international standards or client specification.

We can provide full batch traceability. Certificates of Conformity and Material Certification is available on request.

- ISO 9001 2008
- BSI
- PPAP level 3
- ISIR
- Optical sorting (Zero Defect)
- Full laboratory analysis - Mechanical and Chemical analysis, Hardness Testing, Impact testing and NDT

"Products are supplied to all major National & International Standards"

- British Standards
- DIN
- ASTM
- ANSI
- Client specification / Client standard

We work with quality approved manufacturing partners throughout the world to ensure quality assured products that meet our stringent quality requirements.



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or visit our website

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