

CLICKBOND® FASTENER OVERVIEW:

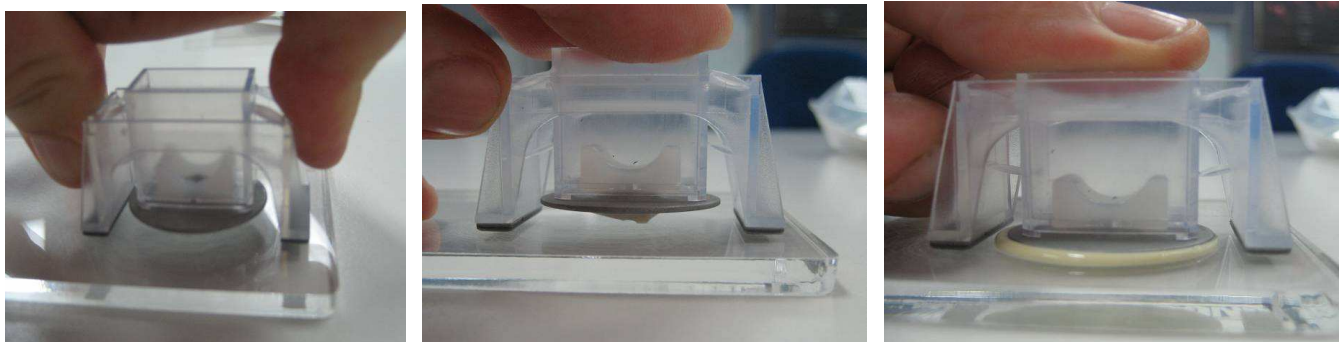
The CLICKBOND® fastening system has been developed in the US over the last 35 years to supply the latest in bonded fastening for the most demanding of applications and environments such as: Military vehicles: Air /Land and Sea, Space Applications, Commercial Aircraft and marine vessels. This wide range of applications has led the general manufacturing and repair teams across other industries gain form the experience of CLICKBOND® world leading technology in bonded fastening systems and adhesives.

How does CLICKBOND® work?

Each fastener comes with a plastic or rubber fixture that aids in the installation process.



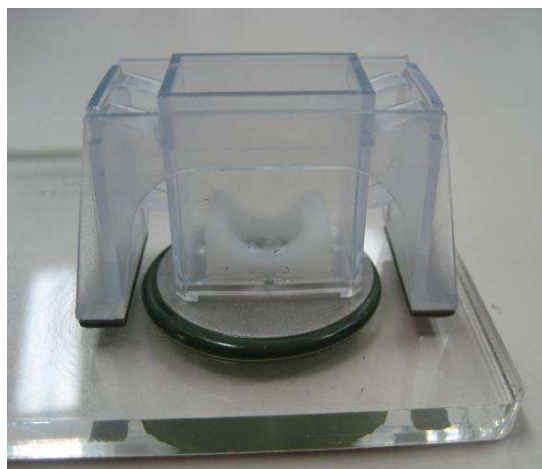
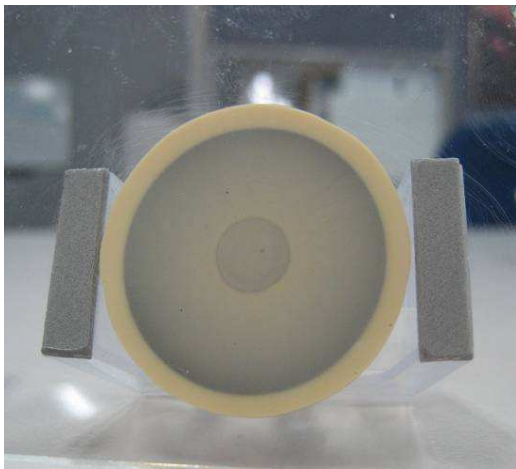
The fixture keeps the joint under constant pressure during the adhesive cure, and insures a consistent bond line.





How does CLICKBOND® work?

Even bondline before/after cure



Removing fixture and fit cable



Process specifications for installation, test and removal are available for all CLICKBOND® fasteners

The following is a very brief look at what is available today for your requirements.



A: CB9302 Miniature Cable mounts. Used for mounting small cable runs such as data cables, fibre optics and coaxial cable. Capacity exceeds MS3367 23Kg

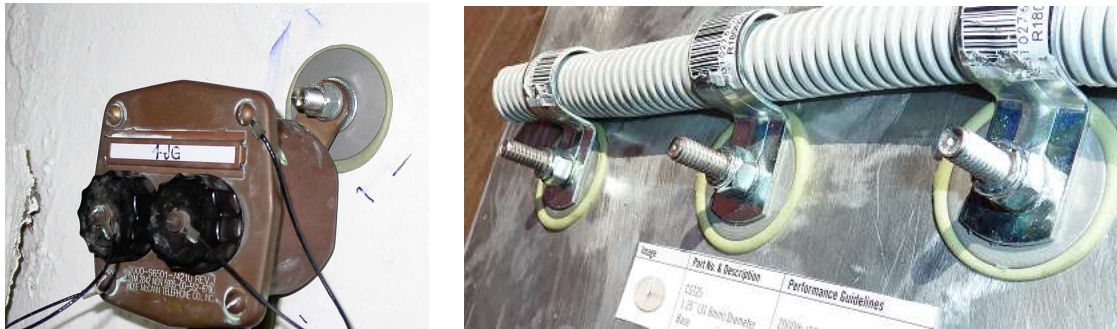


B: CB3029 Swivel Type cable tie mounts: Also used for small cable runs where swivel saddle aids in keeping wiring evenly supported. Capacity exceeds MS3367 23Kg

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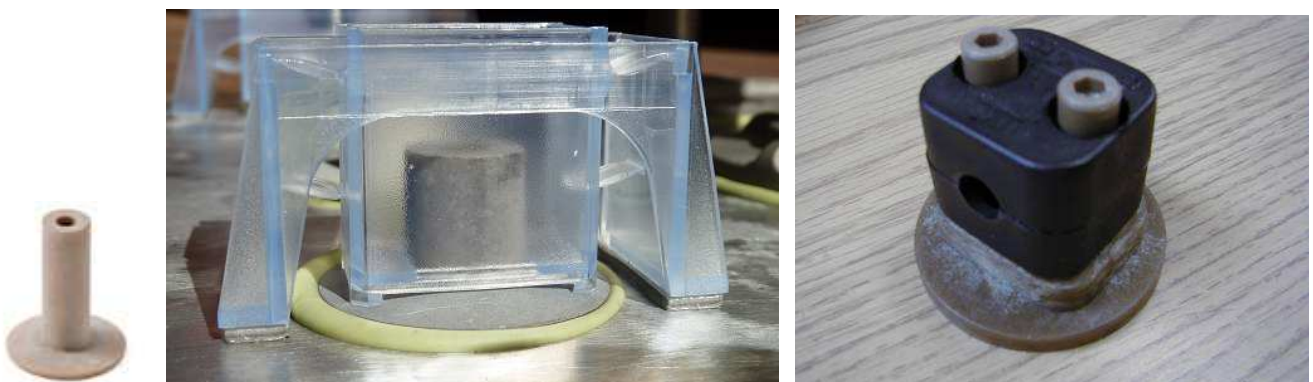
C: CB9120 and CB9151 (transverse): All composite (Ultem®) cable mount for use in demanding environments such as high corrosion or solvents/UV, salt water ect.
Capacity 600lb (270kg) Shear 200lb (90kg) Tension



D: CS125 metallic studs, available in various materials including Aluminium, Stainless Steel ECT. Used for medium to high strength applications for wiring and bracket attachments including junction boxes.
Also available in other diameter bases such as CS 200 (50mm Dia base) for use on soft /flexible materials or painted surfaces where paint or coating cannot be removed.

Capacity CS125 2000lb (900kg) Shear 1000lb (450kg) Tension
Capacity CS200 4000lb (1800kg) Shear 1700lb (770kg) Tension
Capacity CS62 400lb (180kg) Shear 250lb (115kg) Tension

CLICKBOND® FASTENER OVERVIEW:



E: CB4002 and CB9709 Composite base (Ultem®) Standoff for use in highly corrosive environments, as well as High UV or aggressive fluids. Usually used with P clips and stainless or composite Screw to mount cables ECT.

Capacity 120lb (35kg) (1" offset) shear 400lb (180kg) Tension

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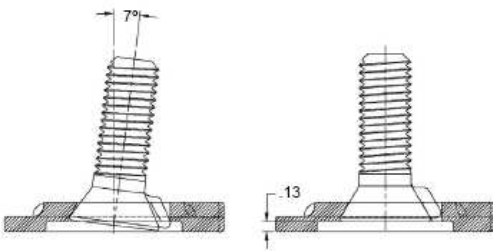


F: CN609 CN611 CN614 Nutplates Traditionally used in military or aerospace in place of a Nutsert where a floating nut is required to accept a screw or bolt. Common applications are electrical cabinets, sheet metal paneling. Sealed nutplates used in tanks as attachment points. Capacity Nutplates meet military NASM25027 strength requirements





CLICKBOND® FASTENER OVERVIEW:



G: CB9522 Self fixturing stud, commonly know as the deckstud for its use on navy ships to attached ships deck boards, galley furniture and berths ECT. It has also been used to mount high stress applications due to its swivel base arrangement.

Capacity 9000lb (4000kg) Shear 6000lb (2700kg) Tension

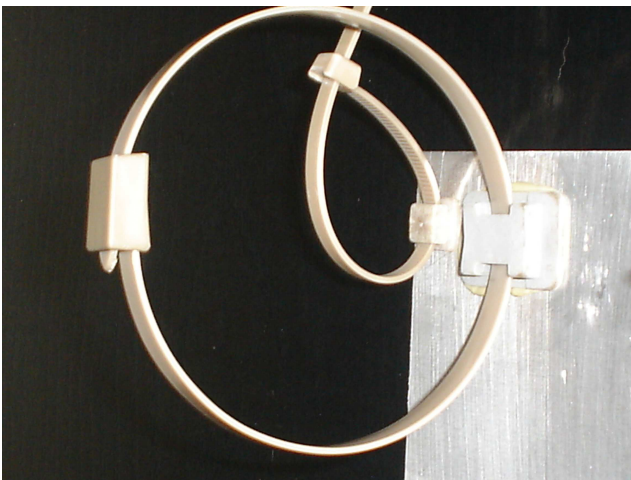
CLICKBOND® FASTENER OVERVIEW:



H: CB9205 Loop strap anchor also know as footman's loop in military circles. Its main use is for attaching quick release straps that hold equipment such as shovels, guns, back packs or safety vests ECT. The loop strap is usually mounted to substrates that cannot be drilled or welded but require a high holding capacity.

Capacity 600lb (270kg) Shear 600lb (270kg) Tension

CLICKBOND® FASTENER OVERVIEW:



Victrex cable ties: High Strength patented composite "Peek" cable ties

INDUSTRY APPLICATIONS

With its outstanding mechanical properties and resistance to chemicals, abrasion and radiation, along with its flame and smoke properties, VICTREX PEEK is ideal for cable ties in a broad range of Industries including:

- Oil Drilling
- Nuclear
- Aerospace
- Electronics
- Automotive
- Chemical Processing
- Military and Defense

"In deep drilling situations," explains Andrew Ragan, Victrex Global Leader—Industrial, "Temperatures can approach 200°C (392°F). The oil industry has chosen VICTREX PEEK as the only material able to perform well in such a demanding environment. VICTREX PEEK can **withstand temperatures as high as 260°C (500°F)** and has excellent resistance to electricity, radiation and chemically aggressive environments."

CLICKBOND® FASTENER OVERVIEW:



Specialised composite Threaded fasteners: compression molded for maximum strength for the most demanding applications. Manufactured in patented Ultem and PEEK materials

Features:

- Low weight
- 1/3 the weight of titanium
- Electrical and magnetic transparency
- Favorable CTE
- 1/5 the weight of stainless steel
- 1/2 the weight of aluminum
- Galvanic corrosion compatible
- Chemical resistant

Strength ranges from 16,000 Psi 46,000 Psi



CLICKBOND® FASTENER OVERVIEW:

Adhesives:

Click Bond packages a selection of leading structural adhesives in convenient dual-component cartridges dispensed with hand tools through disposable static mixing tips. This format simplifies adhesive preparation while eliminating component ratio errors associated with hand mixing. Suitable adhesives for bonding to nearly any substrate material as well as those tailored to high temperature or fuel immersion applications are available.

Click Bond's application engineers can assist with selection of the optimal adhesive product to meet your bonded fastener requirements. Extensive test data demonstrating bond strength to a wide variety of substrates, with environmental conditioning, is available from Click Bond's technical library.



Cost effective solutions

- Re sealable cartridge reduces adhesive waste
- Static mixing tips ensure consistent and thorough component blending
- Dispensing tools and slides for various component ratios
- Industry standard acrylic, epoxy, and urethane adhesives from Hysol®, Lord®, and 3M® available
- Convenient 40-50ml cartridge format for production or 3.5gm packets for repair
- CLICKBOND® fasteners available kitted with adhesives and surface preparation materials



CLICKBOND® FASTENER OVERVIEW:

Sample of adhesive data:

Adhesive part No.	Description	Mix Ratio	Work Time	Handling Strength	90% Strength	Full Strength	Shear ASTM D1002 (PSI)	Service Temp.Min	Service Temp.Max	Shelf Life 22C
CB200	Structural Acrylic adhesive 2 part	10:1	5 Min	30 min	2Hrs	24 Hrs	4700	-55C	121C	6 Months // 12 months Refrigerated

Approvals: Current approvals include:

- FAA
- MILITARY LAND
- NAVSEA
- LLOYDS
- ABS
- BOEING
- AIRBUS
- BOMBARDIER
- NASA

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