



PIONEERING > ADVANCED > SOLUTIONS

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Rivetless Nutplates

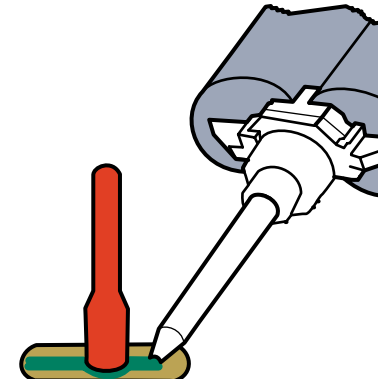


Eliminate two out of three nutplate holes

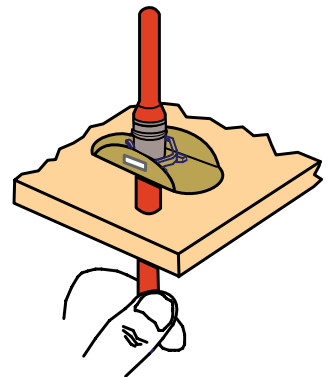
Click Bond adhesive bonded rivetless nutplates eliminate the drilling of small diameter rivet holes required for the installation of traditional anchor nuts, improving structural integrity, reducing installation labor, and avoiding costly rework.

Unlike alternative rivetless nutplates incorporating mechanical anti-rotation features, Click Bond nutplates do not require specialty tooling to install, nor do they create stress discontinuities in the structure or require removal of parent material. Click Bond nutplates are available in one and two lug, sealed dome, standoff, right angle, corner and gang channel styles and are suitable for immersed application in fuel tanks.

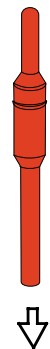
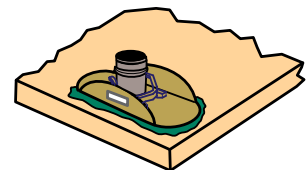
The FLEXBOND® (Fatigue Life Extension) line of nutplates incorporate expanded ACRES® sleeves to cold work structural holes and increase structural durability for high stress or vibration intensive applications.



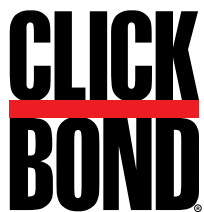
1. Apply adhesive to nutplate.



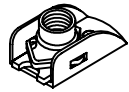


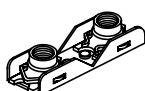
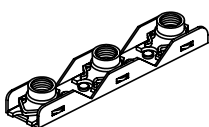





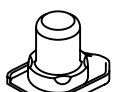
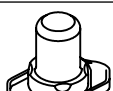

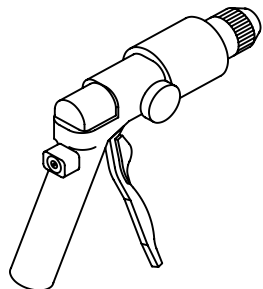
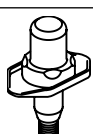
2. Pull fixture through fastener hole in substrate to seat nutplate and extrude adhesive bondline.



3. After adhesive has cured, remove fixture from nutplate and discard.



Rivetless Nutplates

	Part Number	Description	
	CB6007	Corner, Clip Retained	
	CB6009	Two Lug, Clip Retained	
	CB8009	Two Lug, Clip Retained, 50 Cycle Reuse Option	
	CB6011	One Lug, Clip Retained	
	CB8011	One Lug, Clip Retained, 50 Cycle Reuse Option	
	CB6012	Two Nut Gang, Clip Retained	
	CB6013	Three Nut Gang, Clip Retained	
	CB2009	Two Lug, Bracket Retained, Size 8-32, 10-32, 4M, 5M	
	CB3009	Two Lug, Bracket Retained, Size 1/4-20, 1/4-28, 6M	
	CB2011	One Lug, Bracket Retained, Size 8-32, 10-32, 4M, 5M	
	CB3011	One Lug, Bracket Retained, Size 1/4-20, 1/4-28, 6M	
	CB4009	Two Lug, Bracket Retained, Composite Base	
	CB4011	One Lug, Bracket Retained, Composite Base	
	CB6014	Miniature	
	CB9197	Miniature, Multiple Counterbore	
	CB6008	One Lug, Sealed	
	CB8008	One Lug, Sealed, 50 Cycle Reuse Option	
	CB6010	Two Lug, Sealed	
	CB8010	Two Lug, Sealed, 50 Cycle Reuse Option	
	CB9356	Two Lug, Sealed, Extended Float	
	CB6109	Two Lug, Flared Sleeve	
	CB6209	Two Lug, Straight Sleeve	
	CB9530	Two Lug, Sealed, Extended Float, Flared Sleeve	

Systems Installation Hardware



Unparalleled design flexibility

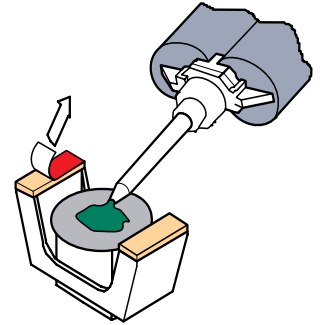
Click Bond's surface mounted systems installation hardware greatly simplifies the routing of electrical, fuel, hydraulic, and other systems. The use of adhesive to bond mounting hardware to structure eliminates the fasteners and holes typically required by conventional bracketry, benefiting structural integrity and manufacturability while reducing labor and rework costs.

Click Bond's extensive selection of studs, standoffs, nutplate brackets, and cable tie mounts provides the designer with new options by permitting attachment of systems to structural members without compromising performance, whether in new designs or in system retrofit applications.

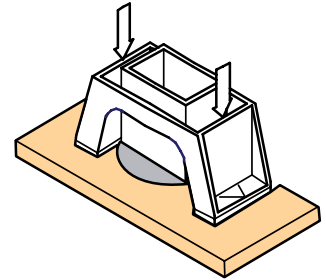
- Bonded installation reduces galvanic corrosion and fatigue
- Aluminum, stainless steel, titanium, glass / epoxy, carbon / epoxy and thermoplastic baseplate materials
- Patented disposable fixture maintains consistent bondline pressure for optimal bond strength and consistency
- Materials compatible with harsh environmental conditions
- Complementary high-performance thermoplastic tie wraps and hardware for cable and clamp attachment
- Metric and unified thread sizes

**CLICK
BOND**

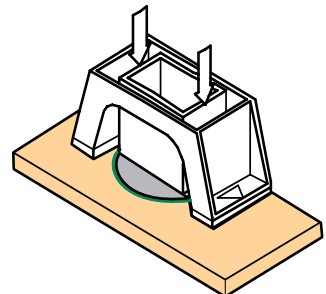
Click Bond, Inc. > 2151 Lockheed Way, Carson City, NV 89706 USA



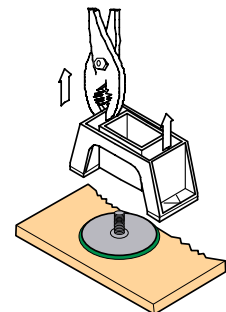
1. Remove the backing from foam pads on fixture and discard. Apply adhesive to fastener base.



2. Locate fixture on substrate using a template or by aligning index marks with drawn centerline. Press down on outer box to adhere foam tape to substrate.

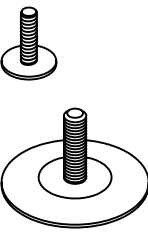
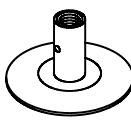
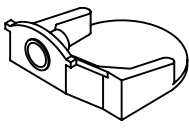
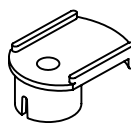
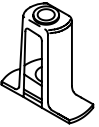
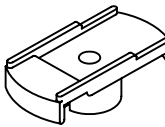
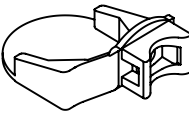
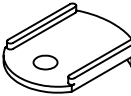

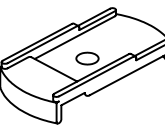
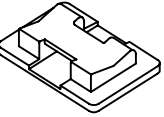

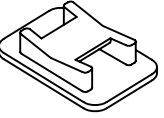
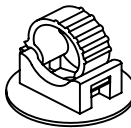


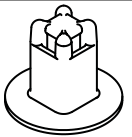

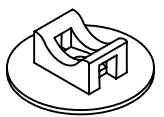
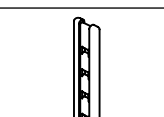
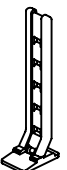


3. Apply pressure to inner box to actuate fixture. Plastic springs extrude adhesive bondline and apply positive pressure during adhesive cure.



4. After adhesive has cured, remove fixture by grasping with pliers and discard.

Systems Installation Hardware

Studs			Standoffs		
	CB5000	Small Metallic Base (5/8" Dia.)		CB5001	Small Metallic Base (5/8" Dia.), Locking Thread
	CB2000	Medium Metallic Base (1" Dia.)		CB3001	Large Metallic Base (1 1/4" Dia.), Locking Thread
	CB3000	Large Metallic Base (1 1/4" Dia.)		CB4001	Large Composite Base (1 1/4" Dia.), Locking Thread
	CB4000	Large Composite Base (1 1/4" Dia.)	CB4002	All Composite, Large Base (1 1/4" Dia.), Metallic Locking Thread	
Mounts			Accessories		
	CB4022	Right Angle, Nutplate		CB9421	Single Line Clamp Support, Standoff Mounted
	CB4023	Standoff, Nutplate		CB9422	Double Line Clamp Support, Standoff Mounted
	CB4020	Right Angle, Swivel Cable Tie Mount		CB9188	Single Line Clamp Support, Stud Mounted
	CB4021	Standoff, Swivel Cable Tie Mount		CB9212	Double Line Clamp Support, Stud Mounted
	CB9120	Low Profile Cable Tie Mount		CB9205	Webbing Loop
	CB9151	Low Profile Cable Tie Mount, Transverse Orientation		CB9297	Swivel Mount with Hasp
	CB9302	Miniature Cable Tie Mount		CB9532	Cable Clamp Cushion
	CB4064	Standoff, two-way cable tie mount	 <p>The new CB4002 Composite Standoff offers superior strength and value. Its hybrid construction combines the weight and environmental benefits of high performance PEI, PEEK, and PEKK thermoplastics with the durability and strength of a NASM25027 compliant metallic locking nut element. CB4002 is also compatible with the full range of Click Bond systems support accessories.</p>		
	CB3019	Metallic, Swivel Cable Tie Mount			
	CB4019	Composite, Swivel Cable Tie Mount			
	CB9257	Cable Tie Tree			

ACRES® Sleeve Products



- Eliminates costly oversize fasteners
- Prolongs life of structural composite panels
- Repairs damage from structural corrosion and misdrilled holes
- Patented Click Bond depth control fixturing eases installation and controls fastener fit
- Protruding head, 100 degree and 130 degree countersink sleeves available
- A-286 stainless steel construction for longevity and corrosion prevention
- FLEX® sleeves provide up to 600% structural fatigue life extension

To repair, to protect, to strengthen...

Click Bond ACRES® sleeves continue a proven aerospace practice of using thin-wall, deep-drawn stainless steel sleeves to repair oversize hole conditions resulting from corrosion, manufacturing error, or in-service fatigue. In contrast to traditional repairs, bonded repair sleeves return holes to nominal diameter, eliminating the requirement for costly oversize fasteners. ACRES® sleeves are available for repair of both first and second oversize holes.

In new structural composite skins and covers, sleeves offer protection from moisture intrusion, hole wear, and damage from repeated fastener insertions. Additionally, Click Bond's unique depth control fixturing accurately positions sleeves relative to the vehicle outer moldline, allowing unprecedented control of fastener fit and finish.

FLEX® (Fatigue Life Extension) sleeves, used alone or as a component of the FLEXBOND series of cold work bonded nutplates, offer economical enhanced fatigue life for high stress applications or structural repair. FLEX® sleeves install using standard shop tools and each is provided with an integral, disposable precision cold working mandrel.

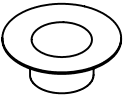

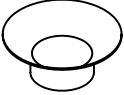
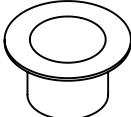
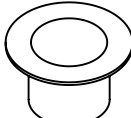
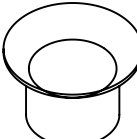
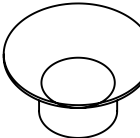
Various fit configurations for structural pins and panel fasteners of all standard head geometries are available.



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Click Bond, Inc. > 2151 Lockheed Way, Carson City, NV 89706 USA

ACRES® Sleeve Products

	Part Number	Description
PANDOR® Clearance Fit Sleeves for Hole Protection		
	CB5907	Protruding Head
	CB5947	Protruding Head, Second Oversize
	CB5906	100 Degree Tension Head
	CB5946	100 Degree Tension Head, Second Oversize
	CB5908	130 Degree Flush Head
	CB5948	130 Degree Flush Head, Second Oversize
HOLEMOD® Interference Fit Sleeves for Oversize Fastener Creation / Hole Repair		
	JK5501	Protruding Shear Head
	JK5701	Protruding Shear Head, Metric
	JK5541	Protruding Shear Head, Second Oversize
	JK5721	Protruding Shear Head, Second Oversize, Metric
	JK5507	Protruding Tension Head
	JK5547	Protruding Tension Head, Second Oversize
	JK5502	100 Degree Shear Head
	JK5702	100 Degree Shear Head, Metric
	JK5542	100 Degree Shear Head, Second Oversize
	JK5722	100 Degree Shear Head, Second Oversize, Metric
	JK5506	100 Degree Tension Head
	JK5706	100 Degree Tension Head, Metric
	JK5546	100 Degree Tension Head, Second Oversize
	JK5726	100 Degree Tension Head, Second Oversize, Metric

FLEXBOND® Nutplates



- 3/16", 1/4", and 5/16" nut diameters in counterbores from -1 through -14
- 20% lighter than alternative solutions
- No substrate thickness limitations
- Permanent, clip-retained, and high-reuse nut styles
- Sealed dome nutplates for fuel immersion applications
- Continuous sleeve lines and protects hole bore

Extend structural life, repair hole damage

Click Bond's FLEXBOND® (Fatigue Life Extension) rivetless nutplate products combine adhesive bonding and ACRES® sleeves to create the ultimate solution for structural fatigue life enhancement and nutplate installation, in one easy process.

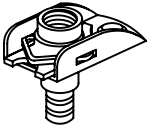
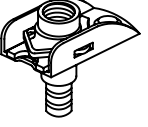

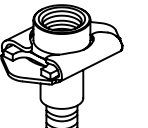
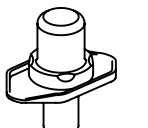
FLEXBOND® nutplates utilize structural adhesives to provide nutplate retention and anti-rotation. A disposable mandrel expands a continuous stainless steel, thin-wall sleeve inside the fastener hole, simultaneously cold working structure and protectively lining the hole. Oversize FLEXBOND® nutplates repair corrosion or other hole damage and return fastener holes to nominal size.

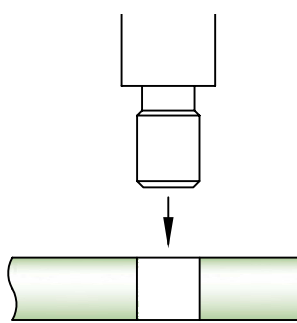
Unlike solutions incorporating mechanical anti-rotation features, FLEXBOND® cold work nutplates install with standard pullstem fastener tools, eliminating the need for investment in specialty equipment. Their smooth, symmetrically expanded sleeves maintain structural stress continuity and do not require removal of parent material.



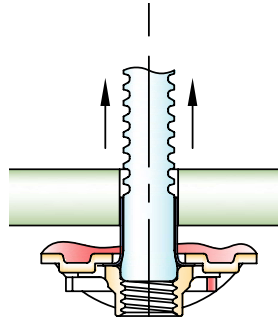
**CLICK
BOND®**

FLEXBOND® (Fatigue Life Extension) Nutplates

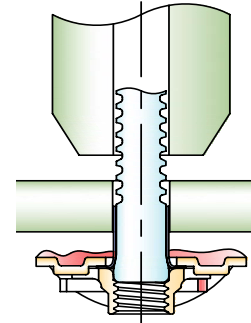
	Part Number	Description
	CB6307	Corner, FLEX
	CB6347	Corner, FLEX, Oversize
	CB6311	One Lug, FLEX
	CB6309	Two Lug, FLEX
	CB6349	Two Lug, FLEX, Oversize
	CB9382	Two Lug, FLEX
	CB9392	Two Lug, FLEX, Oversize
	CB6310	Two Lug, Sealed, FLEX



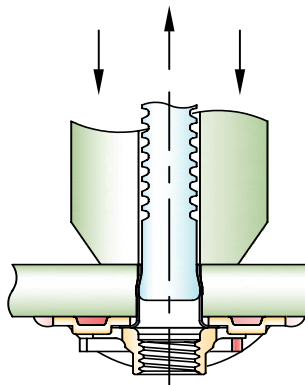
1. Drill hole in substrate and check with plug gage.



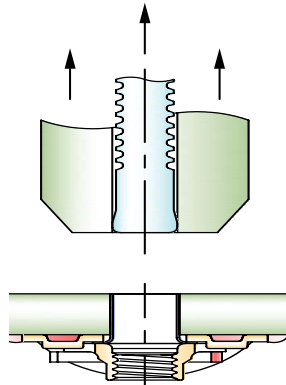
2. Apply mixed adhesive to nutplate baseplate and pass mandrel through substrate hole.



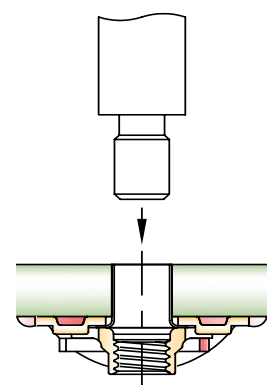
3. Place pull tool over mandrel and rotate nutplate to desired orientation.



4. Actuate tool to pull mandrel.



5. Mandrel pulls through sleeve expanding sleeve and substrate hole.



6. Check expanded sleeve inside diameter with plug gage.

Advanced Composite Products (ACP®)



- 1/2 the weight of aluminum
- 1/5 the weight of stainless steel
- 1/3 the weight of titanium
- Resistant to harsh chemical environments
- CTE match with composite materials
- Superior galvanic corrosion properties
- Electrical and magnetic transparency
- Low creep and coldflow
- Continuous service at 250°F (121°C)
- Carbon and glass fiber options

Get the weight out

Click Bond ACP® (Advanced Composite Products) fasteners represent the latest revolution in fastener materials technology. ACP® screws, bolts, and pins are the ultimate weight saving choice for fastening applications with moderate load requirements. Manufactured from continuous or short glass or carbon fibers encapsulated in a PEEK (poly-ether-ether-ketone) matrix, ACP® products are ideal for situations where weight reduction requirements traditionally drive specification of titanium fasteners.

For environmentally or electrically challenging applications, ACP® fasteners are the perfect choice. Their advanced thermoplastic matrix can withstand the harshest corrosive environments and, when paired with glass fiber, creates a dielectrically “invisible” fastener. These unique properties make ACP® ideal for bilge or lav and galley applications or for radome and antenna attachment.

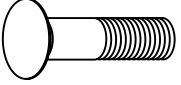
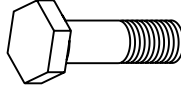
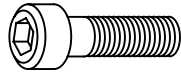
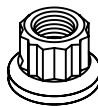
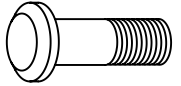

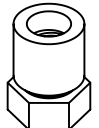
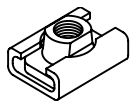
ACP® threaded screw, bolt, and pin products are available in carbon and glass fiber with unified and metric threads in sizes from #2 up to 1/2”.



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Advanced Composite Products (ACP®)

	Part Number	Description		Part Number	Description
	CP800	Bolt, Tension Head, 100° Flush Head, Inch		CP801	Screw, Hex Head, Inch
	MCP800	Bolt, Tension Head, 100° Flush Head, Metric		MCP801	Screw, Hex Head, Metric
	CP803	Bolt, Shear Head, 100° Flush Head, Inch		CP851	Bolt, Hex Head, Inch
	MCP803	Bolt, Shear Head, 100° Flush Head, Metric		MCP851	Bolt, Hex Head, Metric
	CP804	Bolt, Rivet Head, 100° Flush Head, Inch		CP852	Screw, Allen Head Cap, Inch
	MCP804	Bolt, Rivet Head, 100° Flush Head, Metric		MCP852	Screw, Allen Head Cap, Metric
	CP850	Screw, Tension Head, 100° Flush Head, Inch		CNT809	Nut, Double Hex, Non-Locking, Inch
	MCP850	Screw, Tension Head, 100° Flush Head, Metric		MCNT809	Nut, Double Hex, Non-Locking, Metric
	CP802	Bolt, Protruding Head, Inch		CNS859	Nut, Hex, Locking, Inch
	MCP802	Bolt, Protruding Head, Metric		MCNS859	Nut, Hex, Locking, Metric
	CNS808	Collar, Locking, Frangible Drive		CB1509	Nutplate
	MCNS808	Collar, Locking, Frangible Drive, Metric			

THREAD SIZE	NOMINAL DIAMETER	FIBER FORM	SHEAR lbs. / ksi	TENSION lbs. / ksi
4-40	7/64 (.109)	Short	149 / 16	112 / 12
		Continuous	429 / 46	149 / 16
5-40	1/8 (.125)	Short	196 / 16	147 / 12
		Continuous	564 / 46	196 / 16
6-32	9/64 (.140)	Short	246 / 16	184 / 12
		Continuous	708 / 46	246 / 16
8-32	5/32 (.156)	Short	306 / 16	229 / 12
		Continuous	879 / 46	306 / 16
10-32	3/16 (.187)	Short	439 / 16	329 / 12
		Continuous	1263 / 46	439 / 16
.250-28	1/4 (.250)	Short	785 / 16	589 / 12
		Continuous	2258 / 46	785 / 16
.312-24	5/16 (.312)	Short	1223 / 16	917 / 12
		Continuous	3517 / 46	1223 / 16
.375-24	3/8 (.375)	Short	1767 / 16	1325 / 12
		Continuous	5080 / 46	1767 / 16
.437-20	7/16 (.437)	Short	2400 / 16	1800 / 12
		Continuous	6700 / 46	2400 / 16
.500-20	1/2 (.500)	Short	3141 / 16	2356 / 12
		Continuous	9032 / 46	3141 / 16

Insulation Blanket Mounts

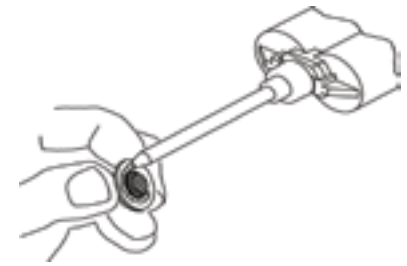


Rapid blanket mounting, with reusability

Click Bond's insulation blanket mount system is designed to allow multiple insulation blanket installation/removal cycles without blanket damage or the requirement to replace mounting components, facilitating inspection of underlying systems and structure. High temperature thermoplastic materials permit service temperatures up to 350°F.

Receptacles include an integral installation fixture that secures the mount in place during bonding and eliminates the need for installer presence during adhesive cure. An optional self-piercing pilot for the receptacle allows precise creation of blanket penetrations.

- Easily remove and replace blanket insulation without damage
- Accommodates blanket thickness from .50 to 4.00 inches
- Permanent structural adhesive ensures longevity of installation
- Patented installation fixture speeds assembly process and permits receptacle attachment without structural penetration
- Significant labor savings as compared to mechanical attachment methods



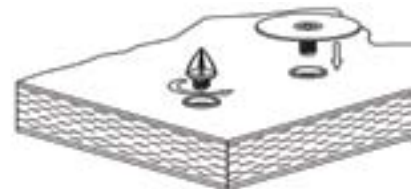
1. Remove backing from fixture button.
Apply adhesive to baseplate.



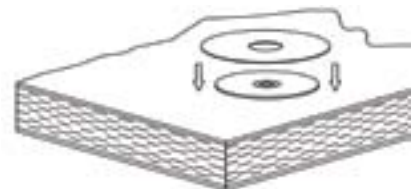
2. Press into position.



3. After the adhesive has cured, install the blanket.



4. Remove spear and install retainer.



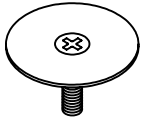
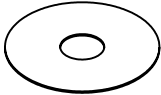


5. Apply tape disk.

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Insulation Blanket Mounts

	Part Number	Description
	CB9170	Medium Base (3/4" Dia.) Receptacle, External Fixture
	CB9173	Medium Base (3/4" Dia.) Receptacle, Internal Fixture
	CB9206	Large Base (1 1/4" Dia.) Receptacle, External Fixture
	CB9210	Large Base (1 1/4" Dia.) Receptacle, Internal Fixture
	CB9174	Insulation Blanket Retainer
	CB9208	Insulation Blanket Retainer, Variable Length
	CB9322	Tape Disk

Structural adhesives with convenience



Click Bond packages a selection of leading structural adhesives in convenient twin-pack cartridges. Using this dispensing method in conjunction with static mixers simplifies adhesive preparation while eliminating component ratio errors associated with hand mixing.

Suitable adhesives are available for bonding of nearly any substrate material. Solutions for high temperature applications and particular environmental requirements including fuel and fluids immersion and low outgas 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.

Click Patch®



Self-Fixturing Patches for Wet Wing Repair

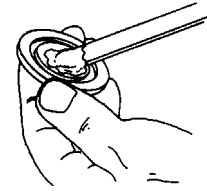
Click Patch® adhesive bonded patches are the ideal solution for rapid repair of leaking fasteners in wet wing aircraft and of punctures and other light battle damage. Each patch consists of a thin, high strength disk carried in a unique disposable application fixture. This fixture allows accurate alignment of the patch and controlled pressure during bonding, ensuring optimal bond strength.

Patches can be applied to both flat and curved surfaces and are available in flat and domed shapes to repair leaks from flush and protruding head fasteners. Patches are available in metallic and composite materials for optimal compatibility with a variety of substrates.

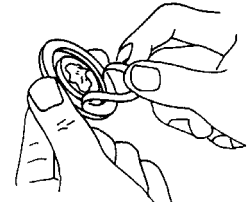
- Repair wet wing aircraft without defueling – patches may be bonded over a running fuel leak
- Aluminum, stainless steel, titanium, glass/epoxy, carbon/epoxy, rubber, and thermoplastic patch materials in various diameters
- Patented disposable fixture speeds installation and maintains bondline pressure for optimal strength and process consistency
- Standard repair manual procedure for Boeing commercial aircraft
- Used for over 25 years by airlines and armed forces worldwide

**CLICK
BOND®**

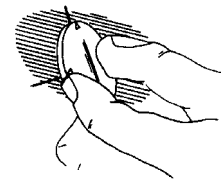
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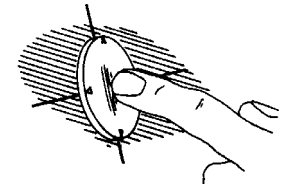
1. Mark extended centerlines of repair site. Apply adhesive to patch.



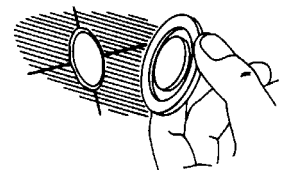
2. Peel off protective paper ring exposing pressure sensitive fixturing adhesive.





3. Position surface of patch over repair site, aligning index marks on fixture disk periphery with marked lines. Press down around outer edge of disk to adhere pressure sensitive adhesive to surface.

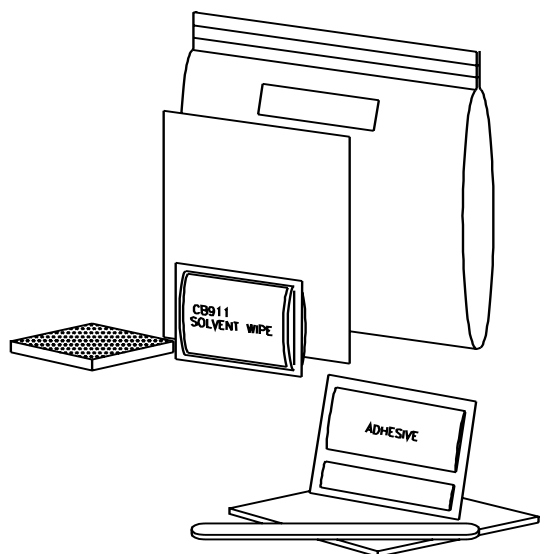


4. Activate fixture by pressing in center of disk until click is felt or heard. This activation applies pressure to the patch and extrudes the adhesive to optimal bondline.



5. After proper curing time has elapsed, peel off disposable fixture and discard, leaving patch affixed to surface.

	Part Number	Description	National Stock Number
	CP62	Small (5/8" Dia.) Patch, Flat	NA
	CP125	Large (1 1/4" Dia.) Patch, Flat	8040-01-343-9923
	CP125-000-005A1A1	Large (1 1/4" Dia.) Patch, Flat	8040-01-343-9923
	CP125-000-005A1A1	Large (1 1/4" Dia.) Patch, Flat	8040-01-347-7430
	KA1S1CP125-000-005A1A1	Large (1 1/4" Dia.) Patch, Flat, Sealant Adhesive Kit	8040-01-107-3980
	KA1E1CP125-000-005A1A1	Large (1 1/4" Dia.) Patch, Flat, Epoxy Adhesive Kit	8040-01-107-3981
	CP200	Extra Large (2" Dia.) Patch, Flat	NA
	CP125-375-005A2A1	Large (1 1/4" Dia.) Patch, .375 Hat	8040-01-343-9922
	CP125-375-005A2A1	Large (1 1/4" Dia.) Patch, .375 Hat	8040-01-347-7429
	CP125-375	Large (1 1/4" Dia.) Patch, .375 Hat	8040-01-107-3977
	KA1E1CP125-375-005A2A1	Large (1 1/4" Dia.) Patch, .375 Hat, Epoxy Adhesive Kit	8040-01-107-3977
	CP125-625	Large (1 1/4" Dia.) Patch, .625 Hat	NA
	CP125-625-005A2A1	Large (1 1/4" Dia.) Patch, .625 Hat	8040-01-347-7431
	KA1S1CP125-625-005A2A1	Large (1 1/4" Dia.) Patch, .625 Hat, Sealant Adhesive Kit	8040-01-107-4932



Kit includes:

- Click Patch(es)
- CB200 acrylic adhesive
- CB911 solvent wipe
- CB904 abrasive pad
- Mixing stick
- Mixing plate
- Instructions

Click Bond recommends CB200 acrylic adhesive for Click Patch® installation. CB200 benefits include:

- 90% ultimate strength in 1 hour
- Flyaway strength in 30 minutes
- Excellent resistance to fluids + solvents
- Service temperatures to 250 °F
- Available in 3.5 gram and 40ml packages – perfect for repair or protection



Adhesives and Dispensers



- Resealable 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 in cartridges
- Convenient 40-50 ml cartridges for production or 3.5 gm packets for repair
- Click Bond fasteners available kitted with adhesives

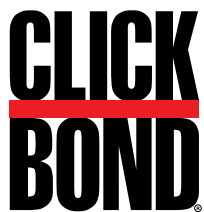
Structural adhesives with convenience

Click Bond packages a selection of leading structural adhesives in convenient twin-pack cartridges. Using this dispensing method in conjunction with static mixers simplifies adhesive preparation while eliminating component ratio errors associated with hand mixing.

Suitable adhesives are available for bonding of nearly any substrate material. Solutions for high temperature applications and particular environmental requirements including fuel and fluids immersion and low outgas are available.

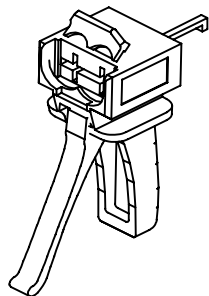
Click Bond's application engineers can assist with selection of the optimal adhesive product to meet your bonded fastener requirements. Extensive test data demonstrating bond strength to a wide variety of substrates, with environmental conditioning, is available from Click Bond's technical library.

Part Number	Industry Specification
CB 200	Airbus NSA939599-984
	Boeing DPM6336-1
	Grumman GA100YR
	Lockheed 5PTMLG74
	Northrop 1LKX179
	NSN: 8040-01-422-3958
	Sierra Nevada Corp. 20-01002-03
CB 250	Boeing DPM6336
	Naval Sea Command 6579292
	Simula 103136
CB 309	Lord Chemical Fusor 309
	Lockheed 5PTMLG69
CB 359	Airbus NSA939599-986
	Boeing DPM3279-5
	Hysol EA9359
	McDonnell Douglas DPM3279-5
CB 394	Airbus NSA939599-994
	Hysol EA9394
	MMM-A-132 Rev. A, Type I, Class 3
	Sierra Nevada Corp. 20-01001

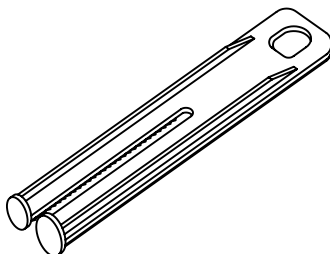


Adhesives and Dispensers

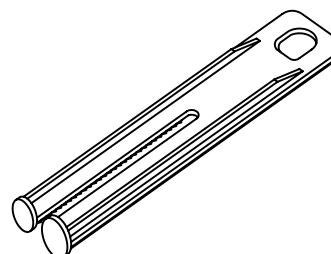
Adhesive Dispensing Accessories



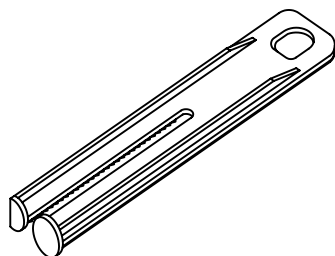
CB100 -- Manual Dispenser



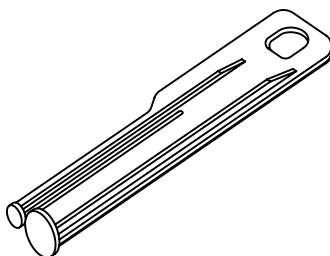
CB11 -- 1:1 Ratio Slide



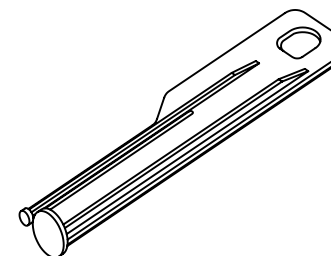
CB21 -- 2:1 Ratio Slide



CB32 -- 3:2 Ratio Slide



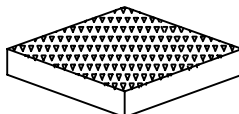
CB41 -- 4:1 Ratio Slide



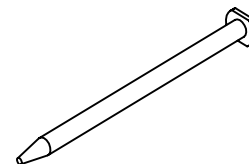
CB81 -- 8:1 Ratio Slide



CB911 -- Solvent Wipe



CB904 -- Disposable Abrasive Pad



CB106 -- Mixing Tip

Adhesives Quick Reference Chart

Adhesive	Mix Ratio (Vol.)	Cure Properties (at room temp. 72°F / 22°C)					Strength		Service Temp		Shelf Life	
		Working Time	Handling Strength	75% Strength	90% Strength	Full Strength	Shear ASTM D1002	T Peel ASTM D1876	Min.	Max.	Room Temp. 72°F / 22°C	Refrigerated 32°F to 50°F 0°C to 10°C
CB200	8:1	5 Min.	30 Min.	--	2 Hrs.	24 Hrs.	4400 psi (30.3 MPa)	21 pli (3.7 kN/m)	-67°F (-55°C)	250°F (121°C)	6 Months	1 Year
CB250	1:1	5 Min.	30 Min.	--	2 Hrs.	24 Hrs.	3500 psi (24.1 MPa)	37 pli (6.5 kN/m)	-67°F (-55°C)	250°F (121°C)	2 Months	6 Months
CB359	2:1	60 Min.	24 Hrs.	--	--	5-7 Days	4500 psi (31.0 MPa)	60 pli (10.5 kN/m)	-67°F (-55°C)	200°F (93°C)	6 Months	1 Year
CB420	10:1	4-6 Min.	18 Min.	15-18 Min.	--	--	1750-2250 psi (12.1-15.5 MPa)	14 pli (2.4 kN/m)	-40°F (-40°C)	250°F (121°C)	9 Months	--

PINCHMOUNT® Bonded Brackets



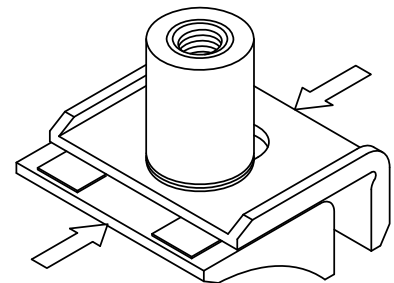
Your new solution in a pinch

Click Bond's new PINCHMOUNT® bonded brackets bring proven bonded fastener technology to bear on the challenge of attachment to free flanges. Now, routing of systems along frames and stringers is possible, without drilling. PINCHMOUNT's unique design provides integral fixturing and easy, one-handed installation, "in a pinch," making it ideal for constrained spaces.

A growing variety of interchangeable end effectors add versatility and provide support to hard line and cable clamps. These accessories swivel to provide further adjustability, yet lock securely into place.

Whether for new designs or for systems retrofit applications, PINCHMOUNT® provides unprecedented systems routing flexibility.

- Standoff, nutplate, and cable tie mount options
- Available in several orientations and geometries
- Thermoset and thermoplastic bracket materials
- Locking threads and nut elements
- Interchangeable accessories add versatility



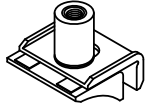
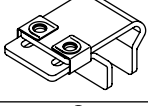
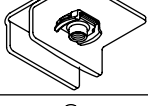
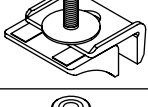
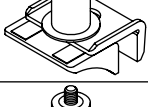
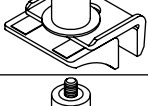

1. Apply adhesive while bracket is open.
2. Place bracket into position and squeeze with fingers to clamp bracket onto substrate.
3. Allow adhesive to cure and use screw to install attachments.



**CLICK
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PINCHMOUNT® Bonded Brackets

	Part Number	Description
	CB4233	Standoff, Locking Thread
	CB4132	Double Nutplate
	CB4231	Single Nutplate
	CB4240	Stud, All Composite
	CB4243	Standoff, Locking Thread, All Composite
	CB4242	Stud, Standoff, All Composite
	CB4232	Stud, Standoff

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Notes & Ideas



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Click Bond, Inc. has been found to conform to Management System Standard: ISO 9001:200 and EN / JISO / AS9100:2004 and has been audited in accordance with the requirements of: AIR5359B and AS9104A.
For additional information please contact Click Bond, Inc. at +1-775-885-8000

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