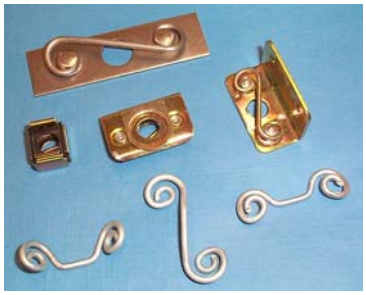
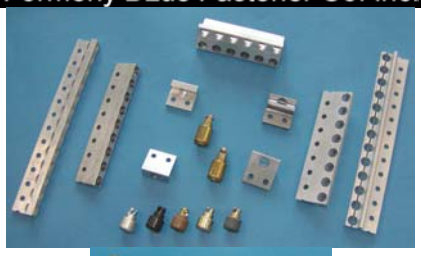
DFCI Solutions, Inc.
Formerly Dzus Fastener Co. Inc.










Sales:

5401 S. Kirkman Road
Suite 310
Orlando, FL 32819
Phone: 407-926-0231
Fax: 407-926-0232

Web: http://www.dfcis.com

Design and Manufacturing:

425 Union Boulevard,
West Islip, NY 11795
Phone: (631) 669-0494
Fax: (631) 669-0785

ST-1200 Line

ST-1200 Line components include a spiral cam stud, a stud retainer, and a receptacle consisting of or containing a spring wire cam follower. As the stud is rotated, its cam engages the wire follower and pulls it up and over the cam peak. The follower snaps into the detent at the end of the cam, holding the fastener in a firm locked position. The cam peak prevents the locked stud from turning out under vibration. Performance is maintained over thousands of uses.

 **Oval Head**	 **Flush Head**	 **Wing Head**	 **Ring Head**
 **Phillips Head**	 **Hex Head**	 **Self Ejecting** Sizes 3-5	 **Self Ejecting** Sizes 5 & 6

Studs are available in the head styles shown above, in 4 sizes, and in plated or stainless steel. The self-ejecting studs assist stud engagement on curved or vertical panels and signal an unlocked condition a wide range of stud retainers is offered.

Receptacles

Clip-In
SQC4
Size 4
Snaps into a .375" sq. hole. Can replace cage nuts. Ideal for rack mounting

Slip-On
Sizes 4 & 5
Slips over support edge and snaps into round hole.

Weld Plate
Flat plate: Sizes 3-65
Angle Plate: Sizes 3-5
S-springs are riveted to bare support plates for welding to structures. Plates are either flat or 90° angle

S-Springs: Underside Mounted
S or SA

S-Springs: Side Mounted
SB

S-Springs: Corner Mounted
SC

Stud Retainers

Performance Table				
Fastener Size	**3**	**4**	**5**	**65**
Stud End Diameter (inches)	3/16	¼	5/16	13/32
Stud Head Diameter (inches)	5/16	7/16	9/16	11/16
Locked Service Tension (lb.)*	20	30	45	55
Maximum Tension Without Distortion (lb.)	45	60	85	110
Rated Shear (lb.)	100	150	200	300
Wear Life (Cycles)	5,000	5,000	25,000	40,000
* Maximum sheet separation at 150% of locked service tension: .05"				

SU-2300 Line
MIL-F-5591B Approved

SU-2300 Line offers high-strength ¼ turn fastening. The stud spiral cam engages the receptacle cross pin, which bridges 2 strong coil springs. Restricted vertical travel of the pin limits sheet separation under load. Available in 3 sizes, materials and construction are extremely rugged.

Flush Slotted

Oval Wing

Oval Slotted

Rigid Receptacle

Floating Receptacle

Size		Stud End Dia. (in.)	Locking Torque (in.-lb.)		Initial Tension (lb.)	Tension & Shear (lb.)		Rotation Stop (in.-lb.)	Wear Life (uses)
DFCI	AN		MIN	MAX		Rated	Tension + 50%		
35	2	7/32	3.5	8	15	200	300	30	5,000
5	5	5/16	5.0	12	35	500	750	60	25,000
6	7	3/8	7.5	18	50	700	1050	80	40,000

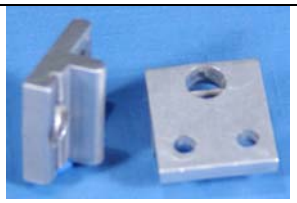
Mechanical Properties: MIL-F5591B (Style 1-Types 1-2-3 Class A & B)

PA-3500 Line

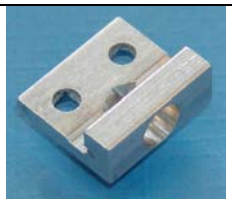
PA-3500 Line fasteners are widely used on aircraft instrument consoles. Captive studs are flared into panel holes. Receptacles hold a rigid wire that is engaged by the stud cam, with the stud spring providing clamping tension. Multi-hole receptacle strips act as offset panel supports. Single hole receptacles are also offered.

PFSC35

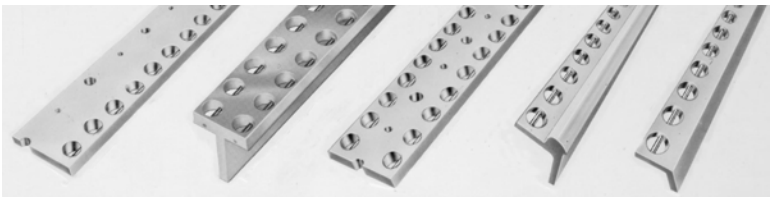
PVS35



PRC35



PRB35



Special Receptacle Strips

PR35-1
Receptacle Strip*

PR35
Receptacle Strip*

* Standard Receptacle Strips are 10’ in length.

DA-4600 Line

DA-4600 Line plastic ¼ turn fasteners provide secure access fastening at low installation cost. Stud lugs engage positive-locking ¼ turn cams in the receptacle and lock under spring tension. A cam stop prevents stud over-rotation. DA-4600 Line vibration resistance and durability are outstanding among plastic quick-acting fasteners.

Studs

			
Slotted	**Oval Wing**	**Slotted Knob***	**Hex Recess**

*The Slotted Knob is shown in a Self Ejecting configuration. All head styles are available in the self-ejecting configuration.

Receptacles

			
High Performance Snap-In	**Snap-in Rear Load**	**Riveted**	**Snap-in Top Load**

Material: Acetal Copolymer resin. **Material burn rating code: UL94HP.** **Flame spread index: 130** **Temperature Resistance:** **High: 194° F** **Low: -40° F**	Ultimate tensile strength: **180 lb.** Locked service tension (min.): **13 lb.** Locking stop strength: **15 in.-lb.** Wear resistance: **5,000 uses** Pickup of separated sheets: **0.125 in.**

AR-4610 Line

The AR-4610 Line Plastic Fastener is contained entirely in a square hole in the panel being fastened. It closes by pushing the stud inward and opens with a ¼ turn. When closing, AR-4610 passes through a square hole in the support and then locks as the stud expands its 4 prongs. The ¼ turn action of AR-4610 cams the stud outward, allowing a low profile design that is protected from accidental damage.

 **Slotted Head**	 **Hex Recess Head**	**Grip Range (in.)** Thin Version Panel: .020 to .070 Panel + Frame: .080 to .200 Thick Version Panel: .071 to .125 Panel + Frame: .135 to .250 **Hole Sizing (in.)** Panel Hole: .360 ± .005 sq. Frame Hole: .375 ±.005 sq. Hole Misalignment: ±.020 **Performance** Designed Max Shear Load: 28 lb. Ultimate Shear Load: 140 lb. Designed Max Axial Load: 11 lb. Ultimate Axial Load: 56 lb. Oper. Temp.: -20° F to +180° F
 **Wing Head**	 **Stud**	

UN-5700 Line

UN-5600 Line quad-lead threads lock and release in about one full turn. The receptacle's threaded section is split and surrounded by a coil spring. Stud entry expands the split receptacle against the spring for a vibration resistant friction lock. Locking tension is maintained over many uses.


Oval Slotted


Flush Slotted


Hex Slotted


Rigid Riveted


Floating Riveted


Press-in Floating
Sizes 3 and 4

Universal Size	Thread Major Dia. (in.)	Locking Torque (in.-lb.)	Rated Tensile & Shear (lb.)
3	3/16	4-8	600
4	¼	8-12	1,000
5	5/16	15-25	15,000

Locking Torque retention: 5,000 cycles.

DP-6100 Line

DP170 & DP175

Spring pawl latches Series DP170 and the larger DP175 use a helical spring pawl that varies its grip length with rotation and can latch a wide range of support thicknesses. The sloped pawl design also allows the operator to adjust applied clamping force.

	DP170	DP175
Support Grip Range	.039" to .250"	.078" to .438"
Rivet Hole Centers	1.312 in.	1.937 in.
Projection Behind Panel	19/32 in.	29/32 in.

DP137

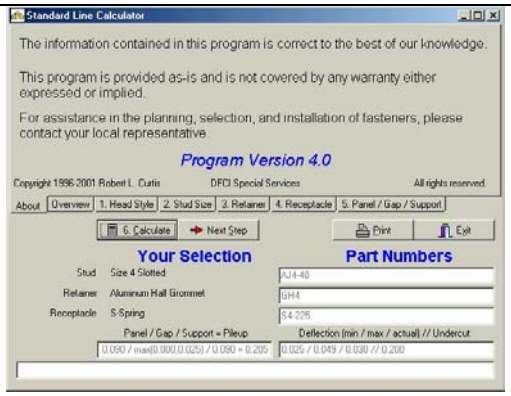
This low cost, non-adjustable latch has a steel spring pawl that self-positions on the plastic stud during installation. Projection into the enclosure is about 0.7 in.

Studs are black thermoplastic, spring pawl is stainless steel.
Maximum Panel: .47 in.
Support Grip Range: 0.010 in to .205in.

DFCI Solutions, Inc. Web Site

Check out our Web Site: http://www.dfcis.com
Once there, you will find:

- Complete details of all of our product offerings, including reference dimension drawings
- On-line Product Selectors to assist you in determining your requirements
- Product Selectors you can download and install on your local computer to assist you in determining your requirements.



Screen capture for the
Standard Line Downloadable
Product Selector

TL-7800 Line

TL-7800 Line Toggle Latches provide leveraged take up of edge mating panels, in plane with the latch mounting surface. They close with a clamping tension on the panels that also tends to keep the latch closed. DFCI TL-7800 Line Toggle Latches are offered in plated steel and stainless steel. Sizes range from miniature to large and a variety of styles and options are available. Stainless steel latches are available.


TL800


TL802

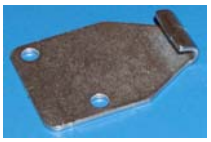

TL803


TL806


TL 806B


TL800DBX


TL802-2 Strike


TL800-5 Strike


TL800-9 Strike


TL800-7 Strike

Latch	TL800 TL802	TL803 TL806
Ultimate Strength	700 lb.	220 lb.
Working Strength	100 lb.	45 lb.
Pull-up Distance	.6 in.	.2 in.

SL-8400 Line

1500 Series

Series 1500 slide latches consist of a slotted sliding bar assembly and a grooved stud or bush that is gripped by the bar. They are useful where a protruding stud makes a convenient fastening point for one part or where there is not sufficient overhead clearance to operate other fastener types.

Series 404 Plastic

The Series 404 plastic slide latch is held in the closed pawl-extended position by spring tension. It slides back with finger pressure to open, or is pushed back as the sloped pawl contacts the support edge while the panel is closing. When the panel is fully closed, the pawl moves behind the support and the spring snaps it forward. This latch has a clean black finish and a flush profile. It snaps into a rectangular panel hole and is retained by a snap clip.

- **REDUCED DOWN-TIME**
- **USER CONVENIENCE**
- **PREDICTABLE SERVICE**

These are the qualities that made the reputation of the original ¼-turn fastener, invented by William Dzus. They remain the basic design criteria for the full range of quick-acting fasteners available from DFCI Solutions today.

DFCI Solutions quick-acting fasteners are used to secure non-structural removable parts, such as access panels, covers and sub-assemblies. They are commonly specified where fast access is a matter of safety or of reducing expensive down time. At the same time, a well-chosen quick-acting fastener is a distinct pleasure to use, and many applications are based on their contribution to user convenience

An access fastener with obvious and easy operation quickly pays off where its use is a normal part of the product's operation or where the fasteners are hard to reach, especially where access may be under stressful conditions.

And where the operating safety of the product requires that removable parts be properly replaced, the right access fasteners will encourage users to snap them closed. This provision may be just as important to safe design as the predictability of the fastener's locked performance.