



Dual Lock™ Reclosable Fasteners

SJ 3767

Technical Data

March, 2001

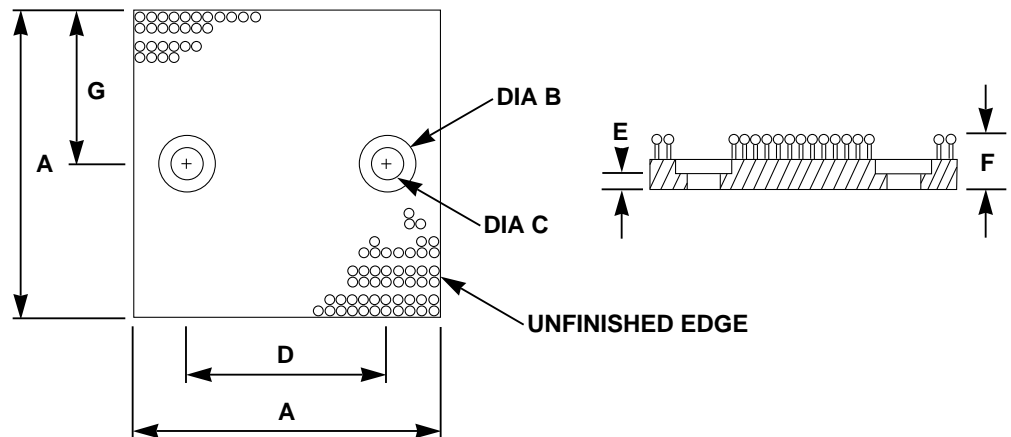
General Description

SJ 3767 Dual Lock™ Reclosable Fastener is a fastener having a Type 400 stem pattern. When two pieces of Dual Lock Fasteners are pressed together, the mushroom heads interlock with one another to form a secure fastening attachment. To open, simply pull apart. SJ 3767 fastener is a 1.5 in. (38 mm) square fastener with two counter-sunk holes. This allows easy attachment to many rigid substrates using pan-head screws, pop rivets, etc. The head of the screw or rivet must be recessed below the bottom of the mushroom stems to allow proper engagement of the mushroom heads. For optimum performance, SJ 3767 fastener should be mated with Type 170 or Type 250 Dual Lock products.

Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

SJ 3767 fastener is composed of polyolefin plastic and is black in color. Weight of one piece is 4 grams. Operating temperature range is -20°F to 200°F (-29°C to 93°C).



	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G
Inches:	1.50	0.30	0.14	0.98	0.06	0.20	0.75
Tolerance / Inches ±:	.030	.010	.010	.015	.020	.030	.030
Millimeters:	38.1	7.5	3.6	25.0	1.5	5.1	19.1
Tolerance / mm ±:	0.76	0.25	0.25	0.38	0.5	0.76	0.76

Nominal Engaged Thickness - Inches (mm)

	SJ 3440	SJ 3442	SJ 3540	SJ 3542	SJ 3550	SJ 3552	SJ 3767 Fastener
SJ 3767:	0.23 (5.8)	0.23 (5.8)	0.27 (6.9)	0.27 (6.9)	0.27 (6.9)	0.27 (6.9)	0.35 (9.0)

Dual Lock™ Reclosable Fasteners

SJ 3767




Typical Physical Properties and Performance Characteristics (continued)

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Dual Lock™ products to mate with SJ 3767 fastener:

For optimum performance, SJ 3767 Type 400 Dual Lock fastener should be mated with Type 170 or Type 250 Dual Lock products. Suggested Dual Lock products to mate with SJ 3767 fastener are listed below:

	Plainbacked	General Purpose psa	VHB™ Acrylic psa
Type 170:	SJ 3442	SJ 3542	SJ 3552
Type 250:	SJ 3440	SJ 3540	SJ 3550

Typical Performance Characteristics		Type 400 mated to Type 170	Type 400 mated to Type 250
Dynamic Tensile Disengagement Strength, lbs/sq inch (kPa):		32 (221)	48 (331)
Static Tensile Holding Power, lbs/sq inch (grams/25.4 mm x 25.4 mm): (Will hold listed weight for 10,000 minutes across a temperature range of -20°F to 200°F (-29°C to 93°C))		1.1 (500)	1.1 (500)
Static Shear Holding Power, lbs/sq inch (grams/25.4 mm x 25.4 mm): (Will hold listed weight for 10,000 minutes across a temperature range of -20°F to 200°F (-29°C to 93°C))		1.1 (500)	1.1 (500)

Note: In long term static load applications, conditions such as temperature variation, jarring, vibration, etc. can affect long term performance. The user should design the amount of fastening area based on the specific conditions in the application. Four square inches of fastening area per pound of static load is suggested as a starting point for such evaluations.

For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit www.3M.com/bonding. Address correspondence to: 3M Bonding Systems Division, 3M Center, Building 220-7E-01, St. Paul, MN 55144-1000. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-809-750-3000. In Mexico, phone: 5-728-2180.

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