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## **Dual Lock<sup>TM</sup> Reclosable Fasteners**

### for Interior Applications

**Product Selection Guide** January 2013 3M<sup>TM</sup> Dual Lock<sup>TM</sup> Reclosable Fasteners are positive-locking, blind fasteners designed for General Description attaching automotive trim components. The products feature mushroom-shaped polyolefin stems that snap together, forming a high tensile closure. Dual Lock fasteners are used primarily to secure rigid and semi-rigid surfaces such as trim or door panels, instrument panel bezels, headliners, and other automotive interior and exterior trim. Dual Lock fasteners overcome the often difficult alignment and installation problems of screws and hidden fasteners. They offer simple installation with no additional tools required. Product Mushroom heads allow flexibility in alignment for easy attachment of Easy Alignment of **Features:** Parts: components. **Reclosable:** Can be opened and re-closed in high cycle applications. Visibility: Attaches on the backside of a trim piece, allowing for blind fastening and an uninterrupted show surface. Vibration Dramatically reduces the rattling and vibration of components. **Resistance:** Does not require any special tools or equipment; fasteners can be used to Ease of Assembly: attach components before they enter the final assembly plant, thus reducing the number of parts and the length of assembly time. Available in numerous forms, including multiple mechanical fastener Multiple Attachment backed options, non-woven backed, pressure sensitive adhesive backed or Methods: ultrasonic weldable. This provides the ability to attach to a variety of surfaces, using different methods. Adjustable Combinations of stem densities and the engaged area provide adjustable **Engagement and** and proportional engagement and disengagement force. Disengagement Forces: Type 170 Type 250 Type 400 170 stems/inch<sup>2</sup> 250 stems/inch<sup>2</sup> 400 stems/inch<sup>2</sup> (39 stems/cm<sup>2</sup>) (26 stems/cm<sup>2</sup>)  $(62 \text{ stems/cm}^2)$ 

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	Headliner Fasteners				
		Mating Surface:	Roof Interior / Sunroof		
		Recommended	1. Slide-In (SJ3248, SJ3249)		
		Part Selections:	2. Nonwoven (SJ3223, SJ3753)		
	and the second second	i ui i berections.	3. Ultrasonically Bondable (SJ3799, SJ3766, SJ376)		
			4. Pressure Sensitive Adhesive (PSA)*(SJ3752, SJ3751,		
			SJ3781)		
		Benefits:	Easy to install, especially if already using a hot melt		
		Denentis.	process.		
70	and the second second		<ul> <li>Excellent bonding to LSE substrates.</li> </ul>		
n					
Ţ.					
ica			Reduces rattling and vibration of components.		
Roof/Headliner Applications	Sunroof Installation	Mating Surface	Handliner		
Ap		Mating Surface: Recommended	Headliner		
			1. PSA* (SJ3752, SJ3781, SJ3751)		
INE		Part Selections:	2. Ultrasonically Bondable (SJ3799, SJ3766, SJ3768)		
qII		Benefits:	• Low insertion force.		
ea			• Reclosable.		
HI/			• Reduces rattling and vibration of components.		
of			• Attachment not affected by environmental conditions		
80			(temperature, humidity, etc.)		
	Roof Interior	L			
		Mating Surface:	Headliner		
		Recommended	1. Pop-In (SJ3804, SJ3805, SJ3806)		
		Part Selections:			
		Benefits:	Low insertion force.		
	10 T		• Reclosable.		
			• Reduces rattling and vibration of components.		
			• Attachment not affected by environmental conditions		
			(temperature, humidity, etc.)		
Door Panel Attachment					
		Mating Surface:	Trim Panels		
	P. A. A.	Recommended	1. Pop-In Family (SJ3804, SJ3805, SJ3806)		
		Part Selections:	2. Rigid Back Parts (SJ3755)		
			3. PSA* (SJ3752, SJ3781, SJ3751)		
	1-0-07/1/	Benefits:	Low insertion force.		
	A A A		• Reclosable.		
			<ul> <li>Reduces rattling and vibration of components.</li> </ul>		
H			<ul> <li>Blind fastener with positive engagement feedback.</li> </ul>		
Door	Trim Attachment	1	2 Internet with positive engagement recubick.		
9		Mating Surface:	Sheet Metal /Pillar		
	A	Recommended	1. Pop-In (SJ3804, SJ3805, SJ3806)		
	- CLA	Part Selections:	2. Rigid Back (SJ3755)		
		Benefits:	• Easy to install.		
	1		<ul> <li>Does not require modifications to trim panels.</li> </ul>		
			<ul> <li>Reclosable.</li> </ul>		

#### **Product Selection Guide**

 $3M^{\text{TM}}$  Dual Lock<sup>TM</sup> Reclosable Fasteners for Interior Applications Page 3

Sheet Metal/Pillar					
	Mating Surface:	Trim Attachment			
	Recommended Part Selections:	<ol> <li>Pop-In (Tree Stem) (SJ3267, SJ3804, SJ3805, SJ3806)</li> <li>Rigid Back Parts (SJ3755)</li> </ol>			
	Benefits:	<ul> <li>Low insertion force.</li> <li>Reclosable.</li> <li>Reduces rattling and vibration of components.</li> </ul>			
		• Attachment not affected by environmental conditions (temperature, humidity, etc.)			
Center Console Panel Att					
	Mating Surface: Recommended Part Selections:	Interior Trim 1. Pop-In (SJ3804, SJ3805, SJ3806) 2. Rigid Back (SJ3755) 3. Slide-ins (SJ3248, SJ3249)			
	Benefits:	<ul><li>Low insertion force.</li><li>Reclosable.</li><li>Hidden fastener, good aesthetics</li></ul>			
Glass	Glass				
The second s	Mating Surface:	Various			
	Recommended Part Selections:	1. PSA* (SJ3752, SJ3781, SJ3751)			
	Benefits:	<ul> <li>Easy to install.</li> <li>Strong enough to hold glass in place during assembly while urethane sealant cures.</li> <li>* Note: SJ3751 to SJ3751 engagement is considered a permanent/non- reclosable bond.</li> </ul>			
Electronic Component Attachment					
	Mating Surface: Recommended Part Selections:	Various 1. Ultrasonic Bondable (SJ3799, SJ3766, SJ3768) 2. Slide-In (SJ3248, SJ3249) 3. PSA* (SJ3752, SJ3781, SJ3751)			
	Benefits:	<ul> <li>Low insertion force.</li> <li>Reclosable.</li> <li>Reduces rattling and vibration of components.</li> <li>Attachment not affected by environmental conditions (temperature, humidity, etc.)</li> </ul>			

	Load Floor		
Load Floor		Mating Surface:	Flooring
		Recommended	1. Ultrasonic Bondable (SJ3799, SJ3766, SJ3768)
		Part Selections:	2. Slide-In (SJ3248, SJ3249)
			3. PSA* (SJ3752, SJ3781, SJ3751)
		Benefits:	• Low insertion force.
			• Reclosable.
			• Reduces rattling and vibration of components.
			• Blind fastener with positive engagement feedback.

\* Promoter may be required to certain plastics depending on strength of attachment needed. Please contact a 3M technical service representative for a recommendation.

#### **Product Selection Guide**

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Contact	Call 1-800-328-1684 for more information. The information provided in this technical	
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