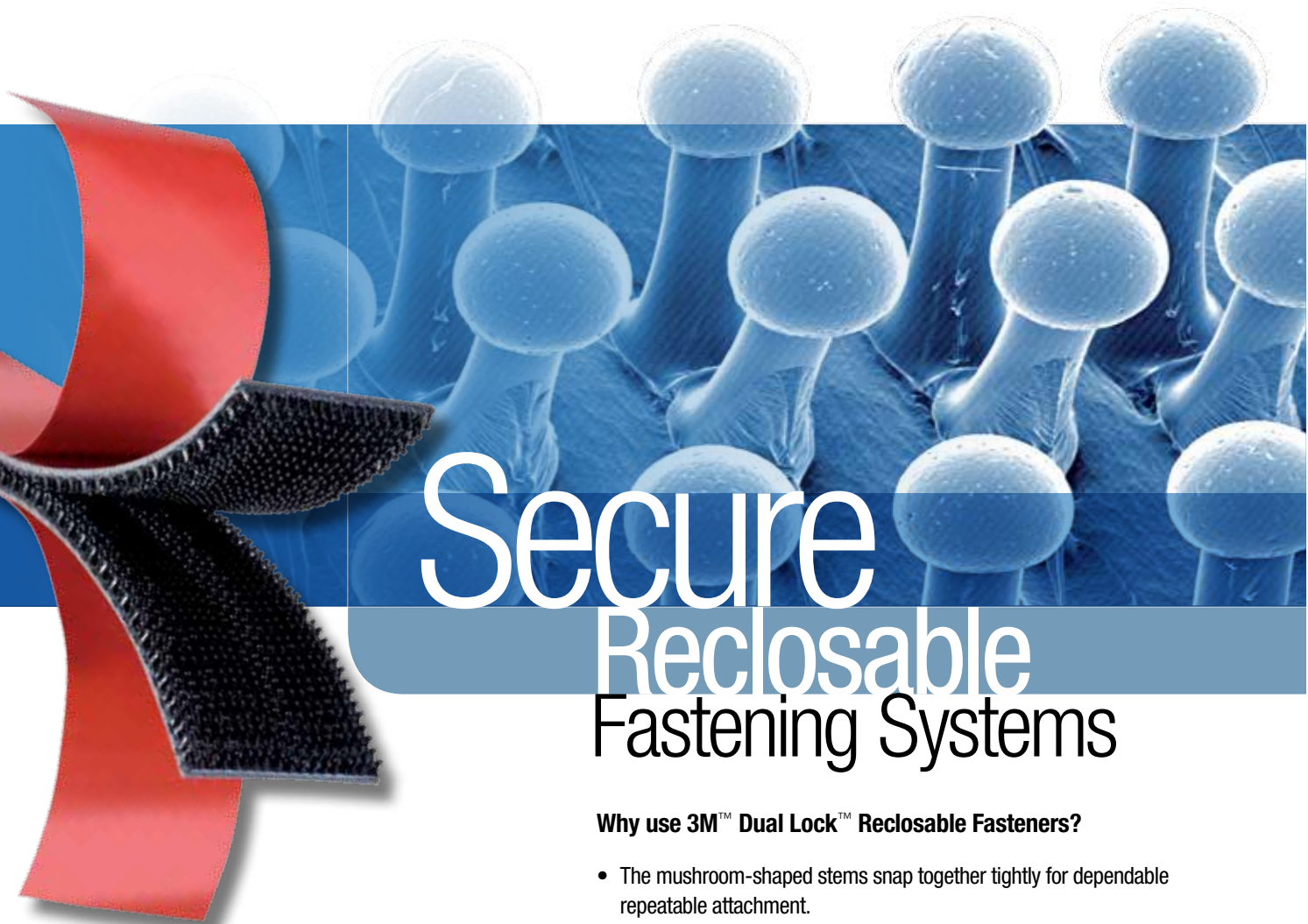


3M™ Dual Lock™ Reclosable Fasteners

For Automotive Applications



Secure Reclosable Fastening Systems

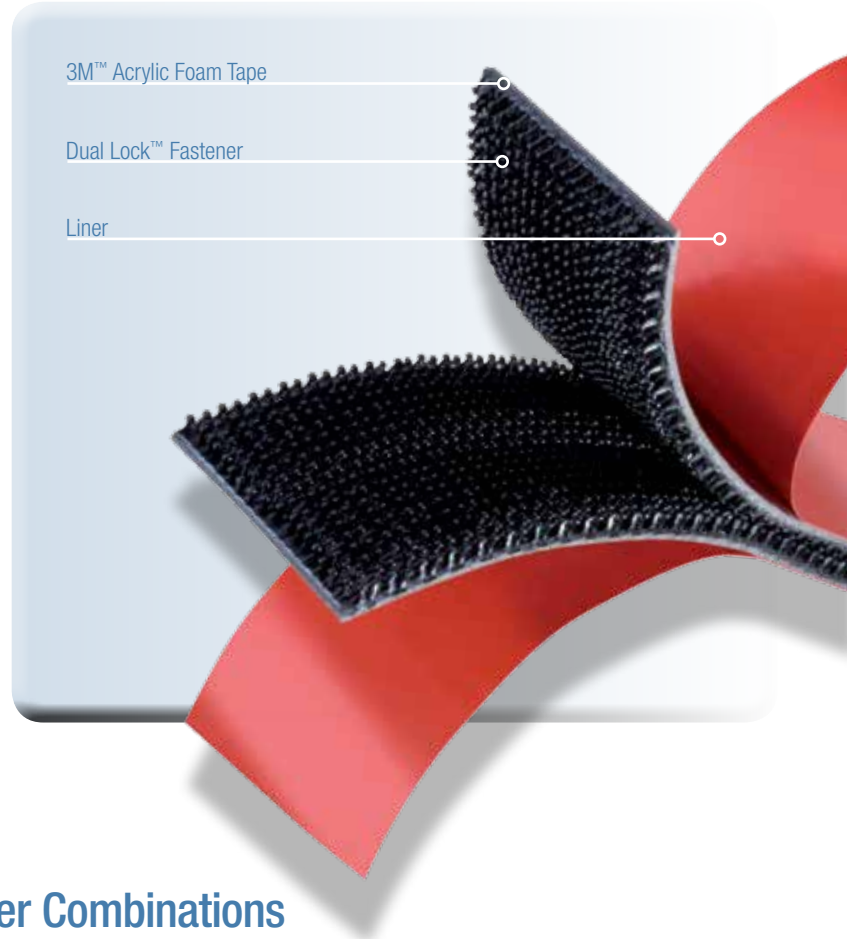
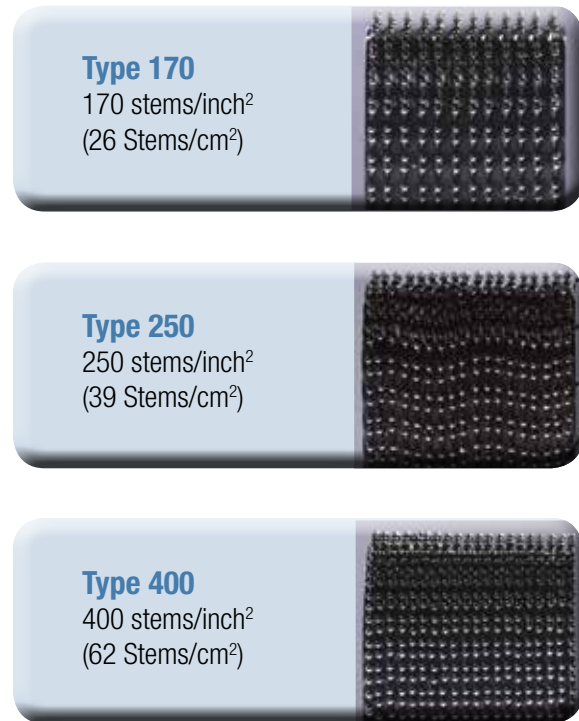
Why use 3M™ Dual Lock™ Reclosable Fasteners?

- The mushroom-shaped stems snap together tightly for dependable repeatable attachment.
- The strong holding power dramatically reduces rattling and vibration of components.
- Three different stem densities allow for mixing and matching, achieving the engagement and disengagement forces needed for the application.
- An audible snap confirms that the part is correctly installed with minimal insertion force required by the assembly worker.
- Dual Lock fasteners provide an aesthetically pleasing look because you don't see unsightly mechanical fasteners.
- Dual Lock fasteners do not require special tools, providing easy alignment at attachment.



3M™ Dual Lock™ Reclosable Fasteners

Dual Lock™ Fasteners are available in three stem densities:



3M Dual Lock Reclosable Fastener Combinations

There are several recommended Dual Lock stem combinations that may be utilized to obtain the desired engagement and disengagement forces need for an application. Table 1 shows the recommended Dual Lock stem combinations along with typical engagement/disengagement tensile strengths.

Typical Initial System Dynamic Tensile Strength	170 / 250	250 / 250	170 / 400	250 / 400
Initial Engagement lbf/ inch ² (N/cm ²)	13 (9.0)	22 (15.2)	21 (14.5)	31 (21.4)
Initial Disengagement lbf/ inch ² (N/cm ²)	27 (18.6)	43 (29.7)	43 (29.7)	60 (41.4)

The following Dual Lock combinations are not recommended:

- Type 170 to Type 170 disengagement force is too low to make it a viable reclosable fastening system.
- Type 400 to Type 400 engagement and disengagement forces are too high to make it a reclosable fastener. This combination should only be used in permanent attachment applications (i.e. applications where the fastening system will not be disengaged).

3M™ Dual Lock™ Reclosable Fastener Samples

Product	Thickness (Including Adhesive)	Adhesive Backed	Type	
SJ3787	3.0 mm	•	250	
SJ3752	3.5 mm	•	170	
SJ3781	3.5 mm	•	250	
SJ3751	3.5 mm	•	400	
SJ3788	4.1 mm	•	400	
SJ3758	5.7 mm	•	250	
SJ3768	3.3 mm		250	
SJ3223	4.2 mm		250	
SJ3753	4.2 mm		400	

3M™ Dual Lock™ Reclosable Fasteners are designed for attaching:

- Headliners
- Sunroofs
- Interior trim parts
- Electronic components
- Sheet metal/pillars
- Center console panels
- Interior lighting

Features	Advantages	Benefits
Easy Alignment of Parts	<ul style="list-style-type: none"> • Eliminates concerns about misalignment and premature or incomplete engagement. • Provides easy and firm engagement from any orientation. 	<ul style="list-style-type: none"> • Improves quality • Easy to use • Increases productivity
Adjustable Engagement and Disengagement Forces	<ul style="list-style-type: none"> • Provides a range of engagement and disengagement forces that can be achieved by combining the different stem densities. 	<ul style="list-style-type: none"> • Increases productivity • Improves quality
	<ul style="list-style-type: none"> • Provides adjustable and proportional engagement and disengagement forces to the engaged area of the fastener. 	<ul style="list-style-type: none"> • Easy to use • Increases productivity • Improves quality
Reclosability	<ul style="list-style-type: none"> • Can be opened and re-closed in high cycle applications. 	<ul style="list-style-type: none"> • Easy to use • Increases productivity
Appearance	<ul style="list-style-type: none"> • Able to attach on the backside of a trim piece allowing for blind fastening and an uninterrupted show surface. 	<ul style="list-style-type: none"> • Easy to use • Improves quality • Improves appearance
Vibration Resistant	<ul style="list-style-type: none"> • Dramatically reduces the rattling and vibration of components. 	<ul style="list-style-type: none"> • Improves quality
Ease of Assembly	<ul style="list-style-type: none"> • Does not require special tools or equipment for attachment. 	<ul style="list-style-type: none"> • Easy to use • Increases productivity • Saves money
	<ul style="list-style-type: none"> • May be used to attach components prior to their entry into the final assembly plant, reducing the number of parts and assembly time. 	<ul style="list-style-type: none"> • Easy to use • Increases productivity • Saves money
Multiple Attachment Methods	<ul style="list-style-type: none"> • Available in numerous forms, allowing for the ability to be attached to a large variety of surfaces, using differing methods. 	<ul style="list-style-type: none"> • Design flexibility • Increases productivity • Improves quality
Positive Locking	<ul style="list-style-type: none"> • Audibly snaps when fastened, assuring secure closure. 	<ul style="list-style-type: none"> • Reduces worry • Improves quality

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