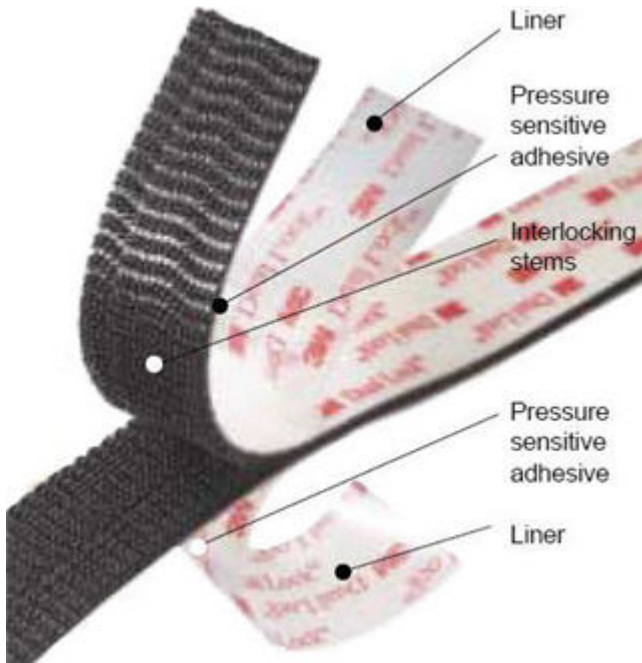


3M™ Dual Lock™ Introduction & Technical Guide

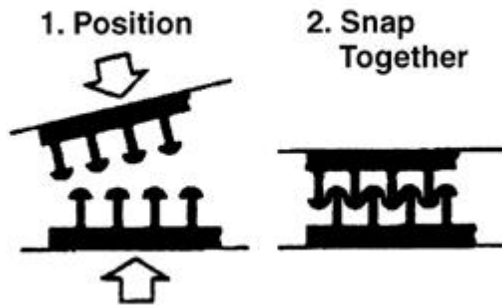


Basics

When two sides (sold separately) of Dual Lock are pressed together, hundreds of mushroom-shaped stems interlock. "Snap" announces that the fastener is engaged. Compared to Hook & Loop the tensile strength is greater with 5x more holding power

3M™ Dual Lock™ Low Profile has similar features, but in a thinner version

Dual Lock Fasteners Attachment



Stem Count/Types

There are 3 basic types/stem counts of standard 3M™ Dual Lock™:

Type 250 —Stems in Wave pattern, approximately 250 stems per inch.	Type 170 —wide rows, approximately 170 stems per inch.	Type 400 —heads almost touching, approximately 400 stems per inch

170 to 250	Easy opening for multiple closures. Low engagement force, low tensile strength.
250 to 250 or 170 to 400	Most Common: Medium engagement force balanced with moderate tensile strength.
250 to 400	Higher engagement force balanced with high tensile strength.
Dual Lock to Loop fastener	Quick grab engagement, high peel force, <i>very short cycle life</i>