Dynamic Tissue System

DynaClose® Strips: Dynamic Wound Closure & Retraction Prevention

DynaStretch® Strips: Tissue Support & Pre-Surgical Expansion

DynaClose Action: Open Wounds Under Low Tension

Closed wounds can reduce morbidity, pain, and recovery time

DynaClose provides an easy and non-invasive method to close retracted or dehisced wounds up to 5 cm in width. It acts dynamically, moving with skin as it is stretched, while always providing a consistent appositional force.

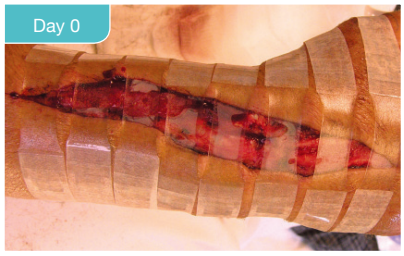
DynaClose provides a second chance at skin closure for failing wounds. The clear elastomeric strip is anchored by an adhesive fabric tape on either side. Continuous traction is maintained by regularly changing the DynaClose until the wound is closed.

Open wounds retract laterally due to the inherent mechanical properties of tissue, increasing the degree of difficulty and time to definitive closure. A long-standing retracted open wound is not necessarily a permanent defect.

DynaClose can return tissue back to its closed system state with normal functional tension.

Results at a Glance*

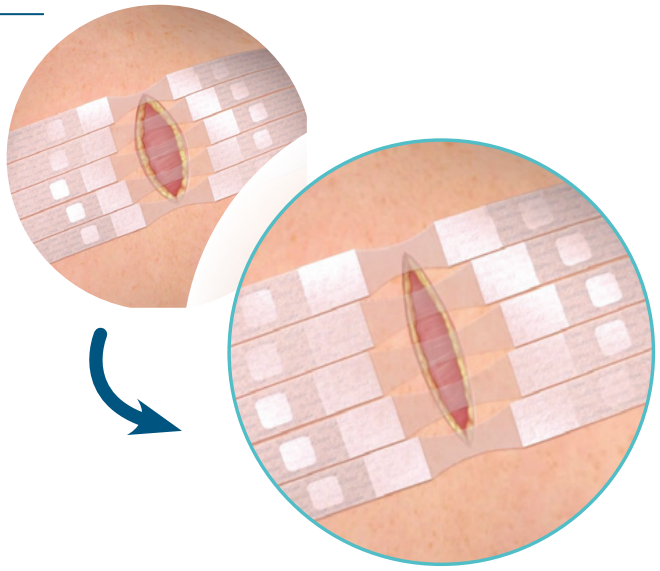
Example One



DynaClose used to close a fasciotomy wound.

Example Two

DynaClose used to close a chronic plantar ulcer.



DWC24	DynaClose (0.5 x 4.5")	
Small DynaClose Strips (4/pack)		Qty: 60 (15 packs/set)
DWC38	DynaClose (0.75 x 8.5")	
Large DynaClose Strips (4/pack)		Qty: 60 (15 packs/set)

* These cases contain the opinions of and personal techniques practiced by the treating physician. The techniques presented herein are for informational purposes only. The decision of which techniques to use in a particular clinical application lies with the physician based on patient profile, particular circumstances surrounding the procedure, and previous clinical experiences.

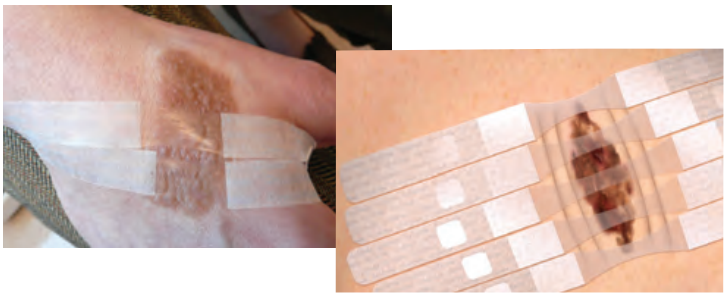
Dynamic Tissue System Strips

Clinical and cosmetic outcomes matter

DynaStretch Action: Pre-surgical Skin Expansion

DynaStretch strips are designed to aid in pre-surgical skin expansion. This expansion occurs secondarily to the contin ued cyclic stretching of the skin by Dynamic Tissue Systems. New surplus skin may be consistent with the surrounding tissue and can be used to span a tissue defect created by surgical excision. Gentle, dynamic tissue stretching prior to planned excision avoids leaving a skin defect and allows for a sound primary closure.

This system is non-invasive and can be applied days or weeks pre-op without hindering patient mobility or quality of life. Uses may include any procedure in which a skin graft site expansion is desired.



DynaStretch used to pre-operatively stretch the area surrounding the skin lesion

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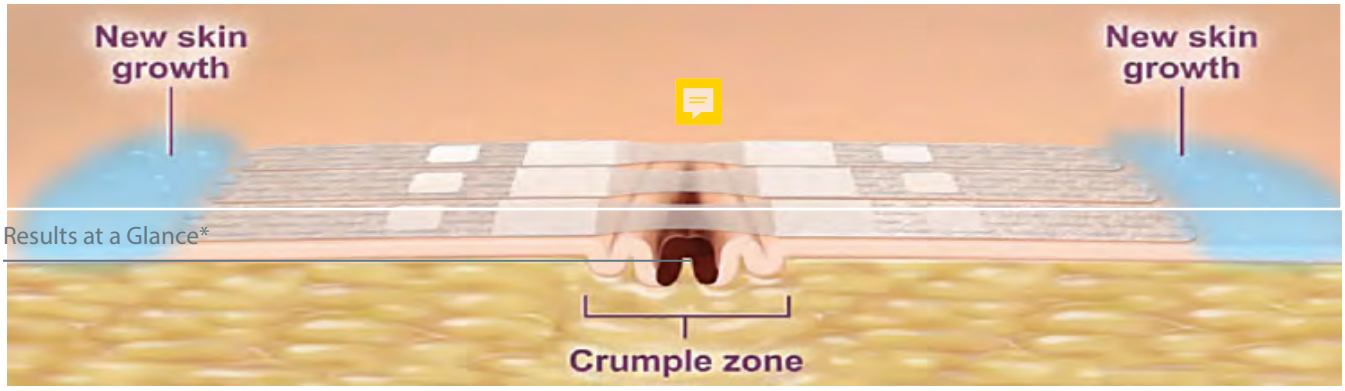


Results at a Glance*

DSX24	DynaStretch (0.5 x 4.5″)	DSX38	DynaStretch (0.75 x 8.5″)
Small DynaClose Strips (4/pack)	Qty: 60 (15 packs/set)	Large DynaClose Strips (4/pack)	Qty: 60 (15 packs/set)

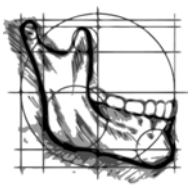
Dynamic Tissue System's Action Mechanism

Gentle, unrelenting dynamic appositional forces (cyclic stretching) counters the retracting forces that keep wounds open. Cyclic stretching of tissue facilitates collagen fiber rotation, increasing skin coverage.[1]

Continued cyclic stretching leads to constructive remodeling including tissue generation and adaptation. Unlike static devices, dynamic therapeutic tension rapidly addresses the challenge of the retracted, stable wound. Therapeutic tension addresses the inertia required to return wound edges back to their original position for delayed primary closure.

Dynamic Wound Closure | Retraction Prevention | Tissue Support and Expansion

1. Johnson, TM, Lowe, L, Brown, MD, Sullivan, MJ, & Nelson, BR. Histology and physiology of tissue expansion. The Journal of dermatologic surgery and oncology. 1993; 19(12):1074-1078.



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