

Dynamic Tissue Systems®

“We believe every patient deserves a primary closure”

Lee McDonald, President and CEO



www.dynamicissuesystems.com

A Dynamic Solution

Open wounds impose serious clinical consequences

Retracted Wounds

Open wounds retract laterally due to the inherent viscoelastic properties of tissue, increasing the degree of difficulty and time to definitive closure.

A retracted open wound is not a permanent defect.

Dynamic Tissue Systems™ return tissue back to its closed system state with normal functional tension.

Dynamic Action

Gentle, unrelenting dynamic appositional forces (cycle stretching) counters the retracting forces that keep wounds open.

How?

Cycle stretching of tissue mobilizes “mechanical creep” increasing skin coverage.

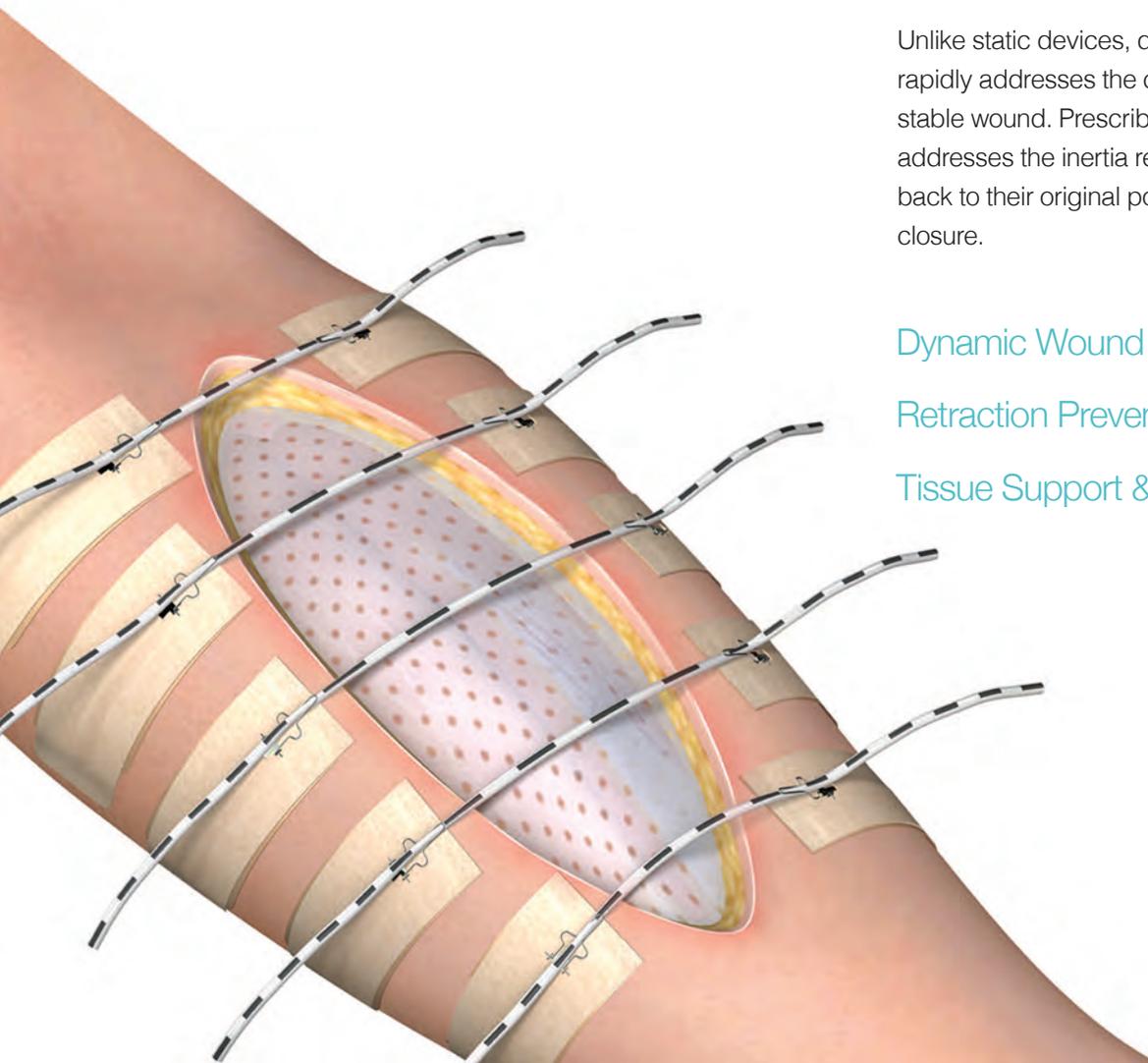
Chronic cycle stretching activates “biological creep” resulting in the generation of new tissue.

Unlike static devices, dynamic therapeutic tension rapidly addresses the challenge of the retracted stable wound. Prescribed 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 & Expansion



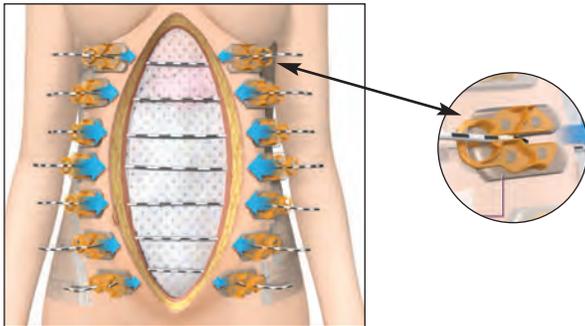
ABRA® Abdominal

A primary closure provides a better quality of life

Open Abdominal Wounds

ABRA® Abdominal restores the primary closure option for full-thickness, retracted mid-line abdominal defects. Installation of the ABRA® system pulls muscle planes and skin together from their lateral retracted state with relentless dynamic appositional traction, leaving the leading edge of the fascial margins undisturbed when performing definitive primary closure.

A full-layer closure restores normal physiology while dramatically reducing length of stay, short-term morbidity risks, and future healthcare costs.



Product	Code
ABRA® Abdominal Wall Closure Set: 1x : Surgifish*; 13 hole Elastomer Retainer; Cannulator; 1x regular-size Silicone Sheet; 2x 20-pack Button Tails 10 packs of: 1x 50cm silicone elastomer; 2x button anchors, 2x button tails	CWK08
ABRA® Abdominal Wall Closure Set Extension 1x half-size Silicone Sheet; 3 packs of: 1x 50cm Silicone Elastomer; 2x Button Anchors, 2x Button Tails	CWK-EX

Additional kits available, listed on website

* SurgiFish only available in US



A CT scan shows a primarily closed abdomen after use of the ABRA® Abdominal system

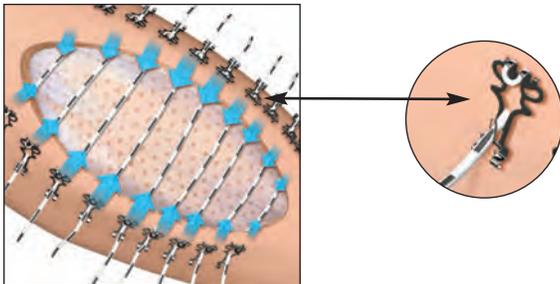
ABRA® Surgical

Managing an open wound means higher healthcare costs

Subcutaneous Traction for Open Wounds

ABRA® Surgical engages full-thickness skin and closes moderate tension, retracted skin defects. A sound primary closure replaces skin grafting and the associated rehabilitation, pain and loss of function.

ABRA® Surgical is indicated for retracted skin defects, fasciotomies, compound fracture wounds and abdominal wounds over mesh or hernia.



Product

Code

ABRA® Surgical Skin Closure Set:

CWK02A

2 x Loop Cannulators; 3 x Lancets

10 packs of:

2 x skin anchors; 1 x 50cm silicone elastomer

Silicone Elastomer

2 x 5-pack 50cm pieces

CZE07



ABRA® Surgical works subcutaneously for added traction, as used for this forearm fasciotomy

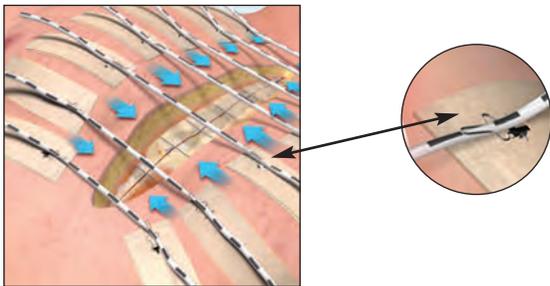
ABRA® Adhesive

Timely healing of surgical wounds is essential to care

Topical Atraumatic Traction for Open Wounds

ABRA® Adhesive provides non-invasive closure of retracted skin defects. A sound primary closure replaces skin grafting and the associated rehabilitation, pain and loss of function.

ABRA® Adhesive is indicated for retracted skin defects, fasciotomies, and compound fracture wounds. Application can occur bedside without trauma or the need for anesthesia. The adhesive is strong but gentle on skin, allowing for distribution of traction over a large surface area.



ABRA® Adhesive applied topically to close the wound from a fasciotomy

Product

Code

ABRA® Adhesive Skin Closure Set:

CWM02A

10 packs of:

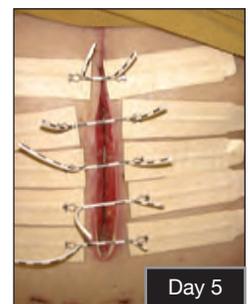
1 x 50cm silicone elastomer

2 x small Adhesive anchors

Silicone Elastomer

CZE07

2 x 5-pack 50cm pieces



The elastic properties of ABRA® Adhesive make it an effective option for closing sternal wounds as well

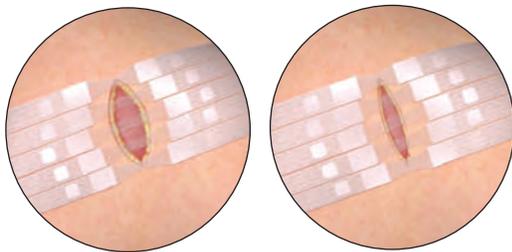
DynaClose®

Closed wounds reduce morbidity, pain and recovery time

Open Wounds Under Low Tension

DynaClose® provides an easy, painless and non-invasive method to close retracted or dehisced wounds up to 5cm 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.



DynaClose® used to close a fasciotomy wound

Product

Code

DynaClose® (0.5" x 4.5")

DWC24

15 packs of 4

DynaClose® (0.75" x 8.5")

DWC38

15 packs of 4



DynaClose® used to help close a chronic plantar ulcer

SutureSafe®

Support closed wounds and provide stability

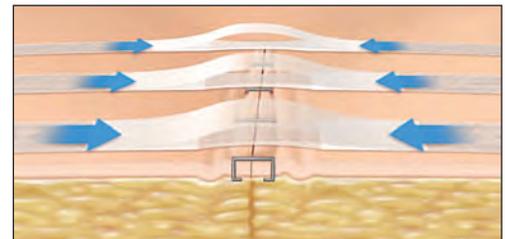
Creating a Low-Tension Healing Environment

SutureSafe® helps reduce surgical site dehiscence, inflammation, pain and scar hypertrophy. It does this by bridging and supporting closed surgical incisions dynamically, allowing a cushion of skin movement while still pulling the wound margins together with gentle appositional traction.

SutureSafe® is an alternative to static tape for areas of increased skin movement. It can be placed over top of sutures and staples. The Ripstop bridge limits extension of the silicone elastomer, while the adhesive fabric tape distributes force across a large surface area. SutureSafe® may be used to support orthopaedic incisions.



SutureSafe® application over staples provides support against dehiscence



SutureSafe® creates a safe zone to protect the incision site from painful tension

Product

Code

SutureSafe® (0.5" x 4.5")

DWS12

3 packs of 10

SutureSafe® (0.75" x 8.5")

DWS14

3 packs of 10

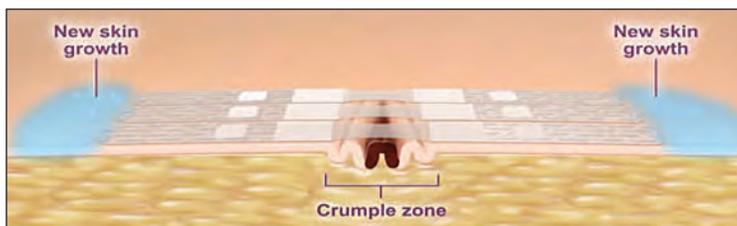
DynaStretch®

Clinical and cosmetic outcomes matter

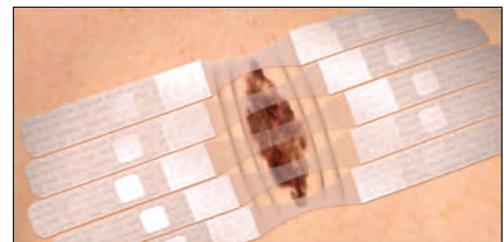
Pre-surgical Skin Expansion

Topical skin expansion is a procedure used to grow extra skin through controlled mechanical stretch and biological creep. These natural processes occur secondary to the relentless cycle stretching of the skin by DTS. New surplus skin is 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, may reduce scarring, 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. Indications include excision of melanoma, birthmark or tattoo; skin graft revision and skin graft site expansion.



DynaStretch® stretches skin and promotes growth, creating a new skin depot



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

Product	Code
DynaStretch® (0.5" x 4.5") 15 packs of 4	DSX24
DynaStretch® (0.75" x 8.5") 15 packs of 4	DSX38



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