

CONTROL WITHOUT COMPROMISE

GRYPHON[®] ANCHOR WITH PROKNOT[™] TECHNOLOGY



PROKNOT
Technology

Duncan Loop
FiberWire[®]

Duncan Loop
MaxBraid[™]



SURGICAL TECHNIQUE

GRYPHON[®] PROKNOT[™]
Suture Anchor

GRYPHON ANCHOR WITH PROKNOT TECHNOLOGY

Control Without Compromise

When loaded onto a GRYPHON Anchor, PROKNOT Technology requires only one half-hitch to create a final, strong, low-profile repair construct.

Control

PROKNOT Technology, with one half-hitch, creates a secure knot that allows you to add incremental tension.

Strength

PROKNOT Technology offers a suture construct that, with one half-hitch, creates a knot that is stronger than other knots tested.¹

Size

The knot created with PROKNOT Technology reduces knot size as compared to other tested knots by as much as 53%.¹

Consistency

PROKNOT Technology provides a construct that is more consistent¹ within and between uses than surgeon-tied knots.

Ease of Use

As easy to use as a knotless device, and eliminates the need to tie an arthroscopic knot.

1

Drill Hole and Seat Anchor

- Utilize GRYPHON 2.4mm Drill Bit and GRYPHON Slotted Drill Guide to drill bone hole
 - Drill bit will bottom out on drill guide
- Place GRYPHON Anchor with PROKNOT Technology down drill guide
- Mallet anchor into bone until it bottoms out on drill guide

2

Remove Inserter and Guide

- Remove Suture Card straight out of inserter handle
 - Suture card will automatically unload free limb via hook on distal portion
- Let go of Suture Card and let it hang
- Pull straight back on inserter shaft to remove from guide
- Slide sutures out of slot in guide
- Remove guide

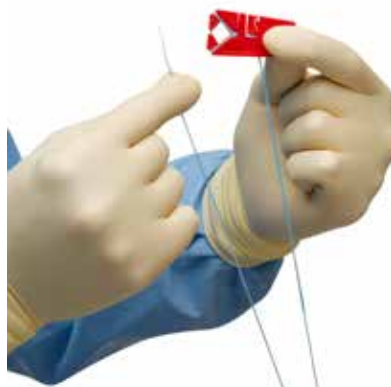


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3

Pass Free Limb Through Labrum

- Free limb can be identified a variety of ways;
 - Tug on free limb and watch it “dance” in joint space
 - Pass suture manipulator or knot pusher over free limb zip-line down stitch and push into joint space
 - Color free limb with surgical pen, prior to insertion
- Once the suture is passed through the labrum, retrieve it into the same cannula as the other limb



4

Dress Knot

- Pass 3+ inches of free limb through open knot on Suture Card (direction doesn't matter)
- Double free limb end over and pinch between thumb and forefinger
- Pop knot off Suture Card and pull free limb away from suture card with force to dress the knot
- Ensure that knot is tightly dressed



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5

Remove Suture Card

- Simply rotate the wrist to remove remaining suture length from suture card
 - Sutures do NOT need to be unwound from Suture Card, can all be removed with simple flick of the wrist and sutures will slide out of the slots



6

Slide Knot Down

- Pull on the free limb to slide the knot down to repair site
 - Knot pusher can be utilized during this step if preferred but not required



7

Separate Sutures

- Identify the split where one limb of suture was tucked inside of the other
- Slide the inside limb out of the outside limb
 - Works best if you hook one finger around the outside limb at the split and the other hand hooks around the inside limb and slides that limb out
 - The outer limb will bunch up below the split during this action, however, that is normal, expected, and has no affect on tensile strength

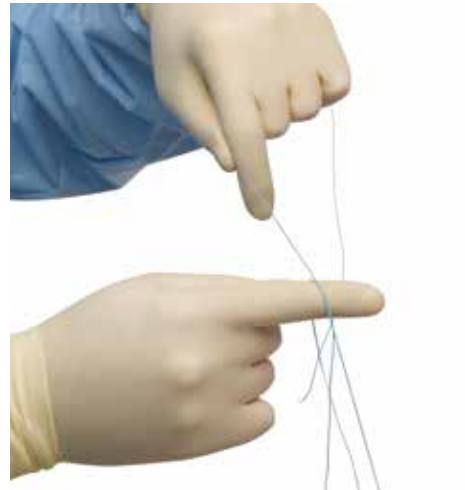


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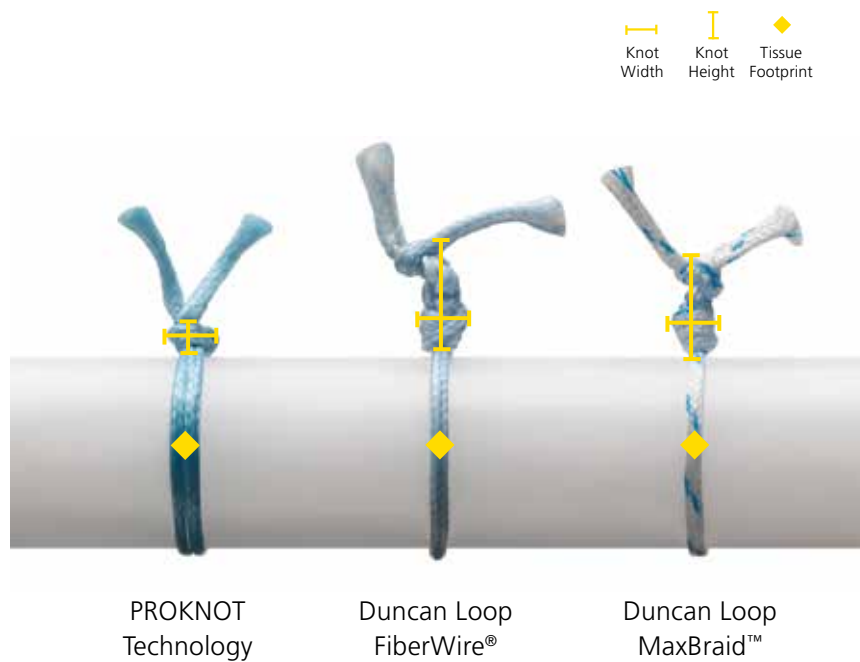
8

Tie Half-hitch to Complete Construct

- One half-hitch allows for incremental tensioning forward, while locking the knot from backing up
- If one chooses to add additional half-hitches, the knot will be locked in both directions



Knot Size Comparison



References

1. Rodes, Stephen & Favorito, Paul & Piccirillo, Justin & Spivey, James. (2015). Performance Comparison of a Pretied Suture Knot With Three Conventional Arthroscopic Knots Arthroscopy The Journal of Arthroscopic and Related Surgery. 31. 10.1016/j.arthro.2015.05.014. Tested knots included Duncan Loop with FiberWire® and MaxBraid™ (GRYPHON Anchor with PROKNOT Technology reduced knot size by 53% and 27%, respectively).

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