smith&nephew

ENDOBUTTON®

Family of Fixation Devices

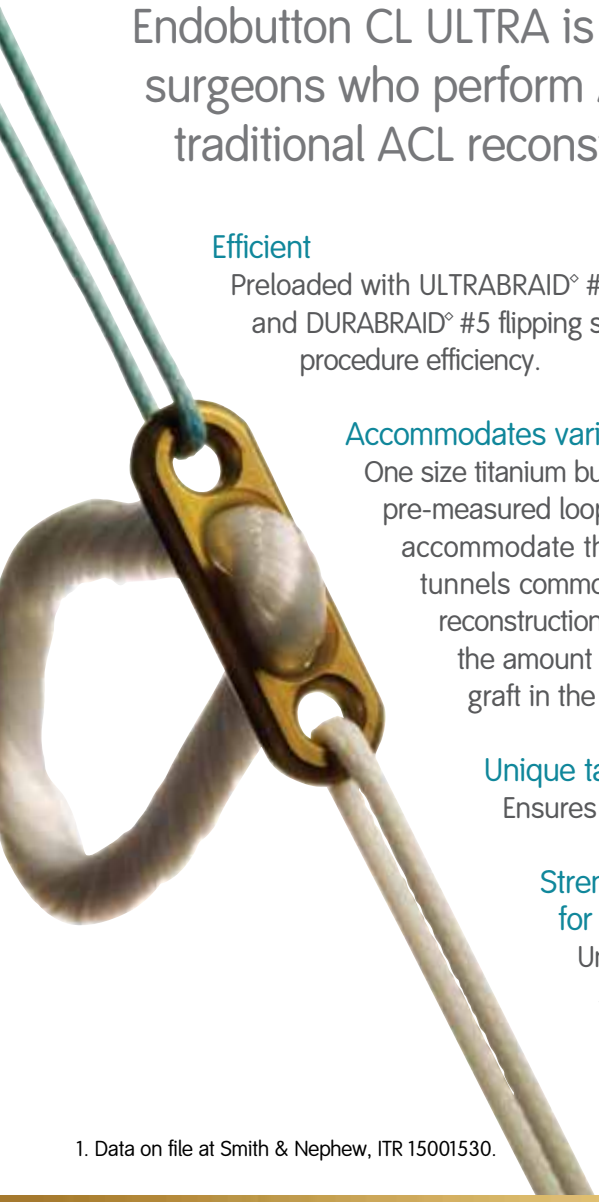
Often imitated, never equaled.
The gold standard for femoral fixation.



Now offering 10 mm

ENDOBUTTON® CL ULTRA Fixation Device

Endobutton CL ULTRA is the trusted choice for femoral fixation among surgeons who perform ACL reconstruction. Ideal for anatomic or traditional ACL reconstruction techniques.



Efficient

Preloaded with ULTRABRAID® #5 lead suture (white) and DURABRAID® #5 flipping suture (green) for added procedure efficiency.

Accommodates various tunnel lengths

One size titanium button is available with multiple, pre-measured loop sizes – including 10 mm to accommodate the shorter femoral tunnels commonly found in anatomic ACL reconstruction techniques, and to maximize the amount of graft in the tunnel.

Unique tactile "flipping" feedback

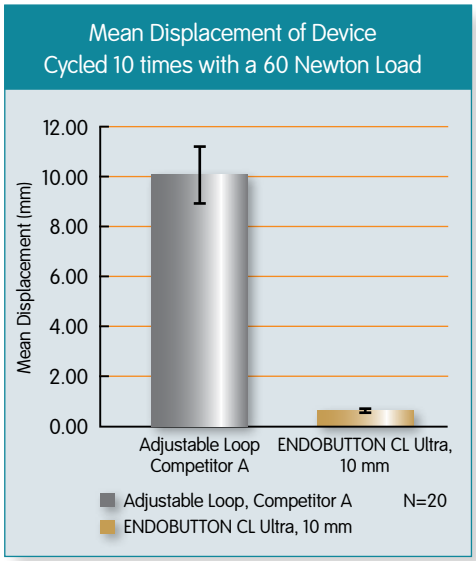
Ensures proper seating of device

Strength and stiffness for a secure repair

Unlike adjustable loop suspensory fixation devices the ENDOBUTTON does not require adjustments after fixation.

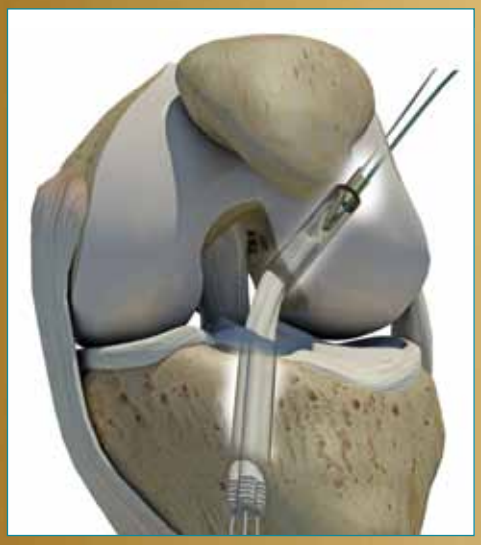
1. Data on file at Smith & Nephew, ITR 15001530.

Mean displacement for ENDOBUTTON CL ULTRA Fixation Device and leading adjustable loop device[1]



A statistical comparison of mean displacement and final distance between device groups was performed. The results demonstrated significantly less displacement for the ENDOBUTTON CL ULTRA device (0.58 mm versus 9.95 mm for the adjustable loop; $p < 0.05$). Furthermore, the mean distance from the button to the top of the hook for the devices was 8.93 mm and 14.61 mm, respectively ($p < 0.05$). This evidence suggests that ENDOBUTTON CL ULTRA does not elongate under load, which could serve to maintain tension.

Easy technique without the need for adjustment after fixation







Since its introduction in 1993, the ENDOBUTTON® Fixation Device and its associated "flipping" technique have become the trusted choice and market-leading femoral fixation solution for surgeons who perform ACL reconstruction.

Smith & Nephew has continued to develop the ENDOBUTTON family of fixation devices to meet your evolving needs, most recently adding the 10 mm ENDOBUTTON CL ULTRA device, the 15 mm ENDOBUTTON CL BTB and the redesigned ENDOBUTTON DIRECT Device. As your tunnels become more anatomic, so do our implants. While some competitors may offer solutions that look like an ENDOBUTTON device, few have pioneered so many improvements in ACL reconstruction.

- Clinically proven
  Supported by nearly 20 years of clinical success and more than 20 peer-reviewed journal articles
- Strong cortical fixation
  Provides dependable fixation regardless of cancellous bone quality
- Unique tactile "flipping" feedback
  Ensures proper seating of device
- Complete line
  Accommodates various graft options and repair techniques
- Hassle-free revision surgeries
  Standard technique allows for endoscopic revision without lateral incision and bone removal
- Truly endoscopic procedure
  Does not require a second incision

ENDOBUTTON® DIRECT Fixation Device



ENDOBUTTON® CL BTB Fixation Device



XTENDOBUTTON® Fixation Device



New Design

ENDOBUTTON® DIRECT Fixation Device

This titanium ENDOBUTTON device maximizes the amount of graft in the tunnel, an ideal solution for accommodating shorter femoral tunnels that result from more anatomic placement.



Designed without a continuous loop of suture
Graft affixes directly to button, maximizing the amount of graft in the tunnel

Utilizes one-step drilling
Minimizes the number of steps required

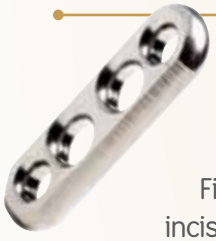
Employs standard flipping technique
Same as other ENDOBUTTON devices

Available in multiple sizes
Accommodates different size grafts 5 mm – 10 mm

New design Material on cross bar and rails has been reduced to allow the graft to sit flatter. The new design requires up to 72% less force to pull graft up tunnel[1]

Also now available

ENDOBUTTON DIRECT Fixation Device with Suture
For added procedural efficiency, the ENDOBUTTON DIRECT Fixation Device is available preloaded with ULTRABRAID® #5 lead suture (white) and DURABRAID® #5 flipping suture (green).

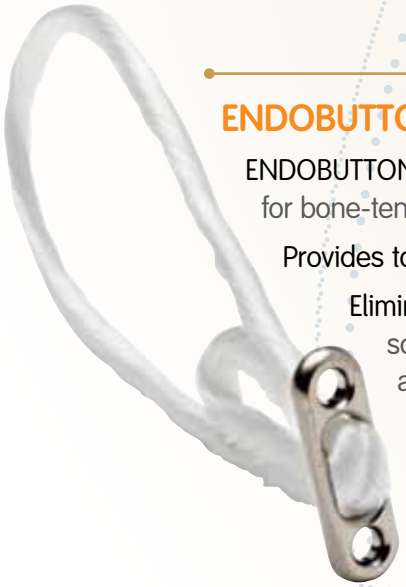


ENDOBUTTON Fixation Device

This titanium button is the original endoscopic femoral soft tissue fixation device, and where the ENDOBUTTON Fixation Device revolution began. It can be used for single incision, soft tissue, or bone-tendon-bone fixation.

Now offering 15 mm

ENDOBUTTON® CL BTB Fixation Device



ENDOBUTTON CL BTB fixation device provides dependable fixation for bone-tendon-bone ACL reconstruction procedures

Provides total bone-to-graft contact at the tunnel aperture

Eliminates complications associated with interference screw fixation; divergence; tendon graft laceration and posterior blowout

Available in 15 mm to 60 mm loop lengths

1. Data on file at Smith & Nephew, ITR 4790.

XTENDOBUTTON® Fixation Device

The Smith & Nephew XTENDOBUTTON Fixation Device, used in conjunction with any Smith & Nephew ENDOBUTTON device, allows a 6 mm to 10 mm area of the femoral tunnel to be covered. In addition to providing an effective solution for cortical blowouts, this device offers a variety of benefits to surgeons.



May reduce surgical time
Requires only one primary drill for the entire distance of the femoral tunnel

Low profile fixation for pediatric cases
Allows outside-in drilling to avoid growth plates, while still accommodating standard femoral fixation preference

ENDOBUTTON® INDICATOR Selection Device

This reusable device helps you to easily determine what size ENDOBUTTON CL ULTRA Fixation Device to use in your ACL reconstructions. The device takes into account femoral tunnel length, graft depth and drilling depth, and then from this information indicates the appropriate ENDOBUTTON CL ULTRA device size.



Easy to use
Sliding scale and viewing windows make it easy to read the femoral tunnel length and ENDOBUTTON CL ULTRA device size

Calibrated passing pin includes a clearly labeled stop mark for femoral tunnel length

CL Device

Continuous loop of suture eliminates the need for knot tying. Ideal for a post or screw-and-washer technique



Gets more graft in the tunnel
Allows for a larger portion of the graft to reside in the tunnel

Adaptable
Available in six sizes, from 25 mm to 50 mm

Ordering Information

ENDOBUTTON® CL Ultra Fixation Device

Reference #	Description
72203331	10 mm ENDOBUTTON CL ULTRA
72200146	15 mm ENDOBUTTON CL ULTRA
72200147	20 mm ENDOBUTTON CL ULTRA
72200148	25 mm ENDOBUTTON CL ULTRA
72200149	30 mm ENDOBUTTON CL ULTRA
72200150	35 mm ENDOBUTTON CL ULTRA
72200151	40 mm ENDOBUTTON CL ULTRA
72200152	45 mm ENDOBUTTON CL ULTRA
72200153	50 mm ENDOBUTTON CL ULTRA
72200154	55 mm ENDOBUTTON CL ULTRA
72200155	60 mm ENDOBUTTON CL ULTRA

ENDOBUTTON DIRECT Fixation Device

Reference #	Description
72201206	5 mm ENDOBUTTON DIRECT
72202980	5 mm ENDOBUTTON DIRECT with suture
72201207	6 mm ENDOBUTTON DIRECT
72202981	6 mm ENDOBUTTON DIRECT with suture
72201208	7 mm ENDOBUTTON DIRECT
72202982	7 mm ENDOBUTTON DIRECT with suture
72201209	8 mm ENDOBUTTON DIRECT
72202983	8 mm ENDOBUTTON DIRECT with suture
72201210	9 mm ENDOBUTTON DIRECT
72202984	9 mm ENDOBUTTON DIRECT with suture
72201211	10 mm ENDOBUTTON DIRECT
72202985	10 mm ENDOBUTTON DIRECT with suture
72201212	ENDOBUTTON DIRECT Holder
72201600	ENDOBUTTON DIRECT Scale

ENDOBUTTON CL BTB Fixation Device

Reference #	Description
72203330	15 mm ENDOBUTTON CL BTB
7210080	20 mm ENDOBUTTON CL BTB
7210081	25 mm ENDOBUTTON CL BTB
7210082	30 mm ENDOBUTTON CL BTB
7210083	35 mm ENDOBUTTON CL BTB
7210084	40 mm ENDOBUTTON CL BTB
7210085	45 mm ENDOBUTTON CL BTB
7210086	50 mm ENDOBUTTON CL BTB
7210087	55 mm ENDOBUTTON CL BTB
7210088	60 mm ENDOBUTTON CL BTB

XTENDOBUTTON Fixation Device

Reference #	Description
72200134	XTENDOBUTTON Fixation device

ENDOBUTTON CL Device

Reference #	Description
72200839	25 mm CL Device
72200840	30 mm CL Device
72200841	35 mm CL Device
72200842	40 mm CL Device
72200843	45 mm CL Device
72200844	50 mm CL Device
013186	40 mm x 12 mm ENDOBUTTON

ENDOBUTTON Indicator Selection Device

Reference #	Description
72202544	ENDOBUTTON Indicator

The Indicator can be used with any of the following pins:

014508	2.7 mm x 15", Drill Tip passing pin, sterile, (6 per box)
7208678	2.4 mm x 15", Drill Tip passing pin, sterile, single use
7207220	2.4 mm x 17", TROCAR-Tip passing pin, sterile, single use
72201594	2.4 mm flexible passing pins, sterile (5 per box)

ENDOBUTTON Accessories

Reference #	Description
014868	ENDOBUTTON tape
015185	ENDOBUTTON Depth Probe
77209951	Adjustable Knob for Depth Probe
72202799	1.2 ENDOBUTTON CL ULTRA Pac
Contains 1 each of the following:	
	ENDOBUTTON CL Sizing Chart
01384	Cannulated Endoscopic Drill, 4.5 mm
7207221	2.4 mm Drill Tip Guide Wire
72202009	2.7 mm x 15" Drill Tip Passing Pin
7211138	1.2 mm x 12" Guide Wire (5 per box)
014477	Cannulated Bone Tunnel Plug, latex free
72200948	TRUKOR Gauge

ENDOBUTTON Drills

Reference #	Description
7207315	4.5 mm Cannulated Drill
72202971	4.5 mm Clancy Flexible Drill



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