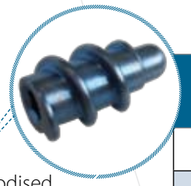
AN INNOVATIVE TECHNIQUE FOR:

>> ACL single and double bundle reconstruction
>> PCL single and "V" reconstruction
>> Partial ACL repairs (AM or PM bundle)
>> Paediatric reconstruction

TLS® IMPLANTS

The TLS® fixation systems include a tape and a fixation screw.

IMPLANT LIST

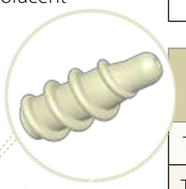


>> Anodised titanium screw

TITANIUM SCREW	PRODUCT REFERENCE
TLS® TENDON ANCHORING SCREW Ø 10mm LG 20mm	253 569
TLS® TENDON ANCHORING SCREW Ø 10mm LG 25mm	248 853
TLS® TENDON ANCHORING SCREW Ø 12mm LG 20mm	264 274
SCREWDRIVER FOR TLS® TITANIUM	254 599

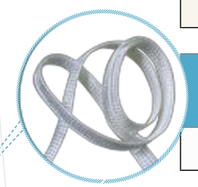
>> Peek® screw, radiolucent

PEEK SCREW	PRODUCT REFERENCE
TLS® TENDON ANCHORING SCREW PEEK Ø 10mm LG 20mm	263 653
TLS® TENDON ANCHORING SCREW PEEK Ø 10mm LG 25mm	263 654
SCREWDRIVER FOR TLS® PEEK	263 783



>> Bio-C screw

BIO C SCREW	PRODUCT REFERENCE
TLS® TENDON ANCHORING SCREW BIO-C Ø 10mm LG 20mm	264 648
TLS® TENDON ANCHORING SCREW BIO-C Ø 10mm LG 25mm	264 649
SCREWDRIVER FOR TLS® BIO-C	264 650
GUIDE PIN FOR TLS® BIO-C SCREW Ø 1,2	264 651



>> Polyethylene terephtalate anchoring tape

ANCHORING STRIP	PRODUCT REFERENCE
TLS® TENDON ANCHORING TAPE	256 193

FH ORTHOPEDICS quality for health

FH ORTHOPEDICS S.A.S
3 rue de la Forêt - F 68990 HEIMSBRUNN
Tél. +33 3 89 81 90 92 / Fax : +33 3 89 81 80 11
e-mail : orthopedie@fhorthopedics.fr
www.fhorthopedics.com

POLSKA, IMPLANTS INDUSTRIE
Ul. Garbary 95/A6,
61-757 Poznan
Tel : +48 61 863 81 27 / Fax : +48 61 863 81 28
Email : fh.orthopedics@poczta.internetdsl.pl

USA, FH ORTHOPEDICS INC.
4118 N. Nashville Ave. - Chicago - IL 60634
Tel.: +1 (773) 290 1039 / Fax : +1 (773) 539 9328
e-mail : info-us@fhorthopedics.com
www.FHortho.com

GROUPE FH FOURNITURES HOSPITALIÈRES

LIGAMENT

TLS®

Tape Locking Screw

THE PROVEN SOLUTION FOR THE SHORT GRAFTS

GROUPE FH FOURNITURES HOSPITALIÈRES **FH ORTHOPEDICS** quality for health
www.fhorthopedics.com

PRINCIPLES OF THE TLS® SYSTEM

>> Single HS (semitendinosus) tendon harvested
>> Graft quadrupled = strongest construct
>> No wasted tendon in bone tunnels
>> Graft suspended by non-elastic tapes
>> Tapes secured in bone by screws
>> Graft pretensioned to reduce post implantation tension loss

BENEFITS OF THE TLS® SYSTEM

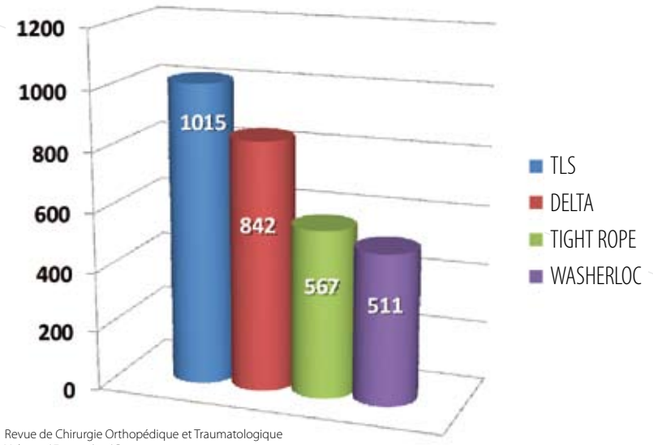
>> Outside-in femoral targeting (tibial tunnel independent) for improved coronal plane positioning
>> Short bone sockets, atraumatically retroreamed
>> Graft passed through medial portal and press-fit into sockets with 360" contact with bone
>> Aperature fixation by press-fit
>> No screw, or fixation device directly contacts tendon or is placed in tunnel with graft

TLS® at 3 years


Arthroscopic view of a graft at 6 months

PROVEN RESULTS

Elastic limits (N) - tibial fixation

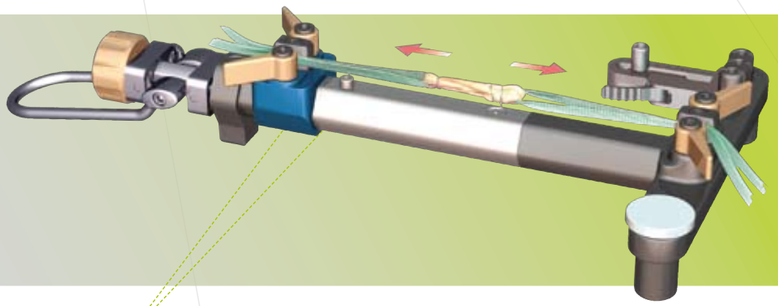


Revue de Chirurgie Orthopédique et Traumatologique
Volume 97, numéro 8S
pages 491-492 (décembre 2011)

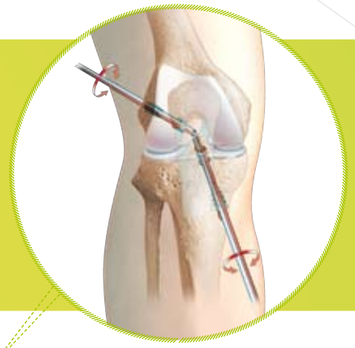
Comparative studies have shown the superior resistance strength of the TLS® fixation, which is almost equal to the native ACL resistance strength.

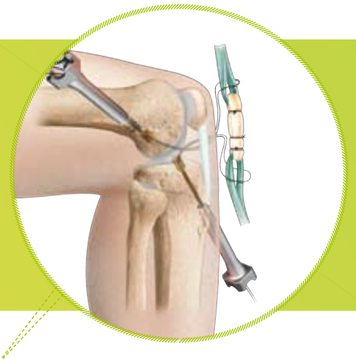
Harvesting only the semitendinosus tendon and pretensioning the graft up to 500 Newtons, the TLS® is designed to minimize post-implantation laxity, eliminate tissue waste, and allow the patient to begin to restore mobility and range of motion, with no splint or brace, within 24 hours.

REPRODUCIBLE TECHNIQUE


>> Graft pre-tension at 500 N


>> Outside-in femoral aiming


>> Creation of short femoral and tibial recesses to pre serve bone stock


>> Graft positioned using "all inside" technique


>> Inserting screws