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**ANTERIOR CRUCIATE
RECONSTRUCTION**

with

LARS LIGAMENT

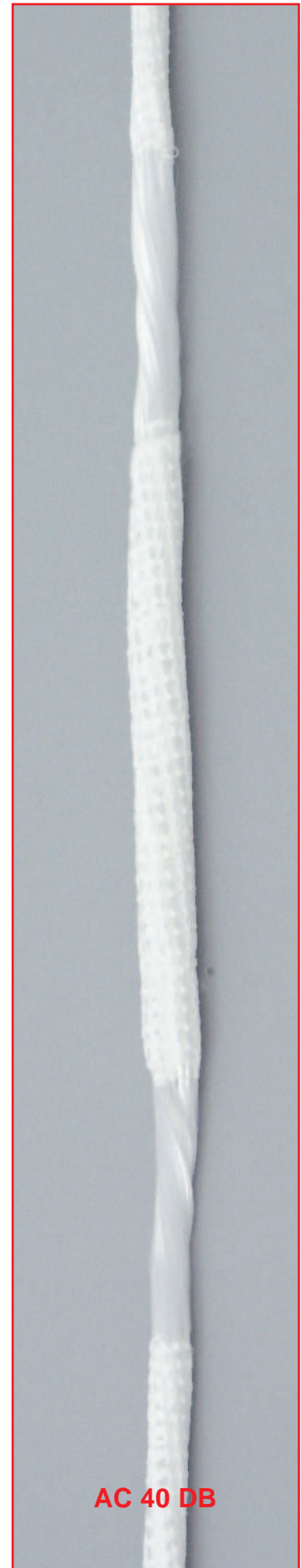
AC 40 DB, AC 50 DB

and AC 60 DB

For transversal fixation

or suspension

In addition to technical device in this brochure, LARS recommends carefully reading the labels and using instructions accompanying the medical devices.



AC 40 DB

Alternately to the interference canulated screw, these last years, several fixing system have been developed.

LARS Company created a synthetic ligament for these various systems.

This ligament can be used with :

- Transfix ARTHREX
- Endo Button SMITH & NEPHEW
- Cross Screw STRYKER
- Bone Mulch BIOMET

The ligament

Reference :

L020405 - AC 40 DB

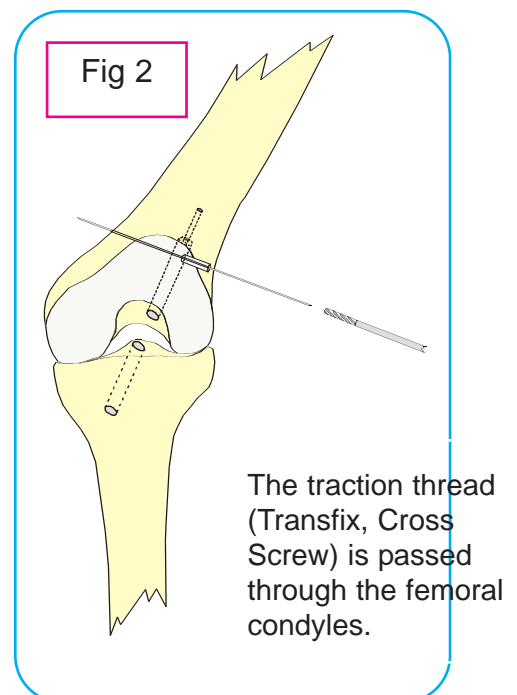
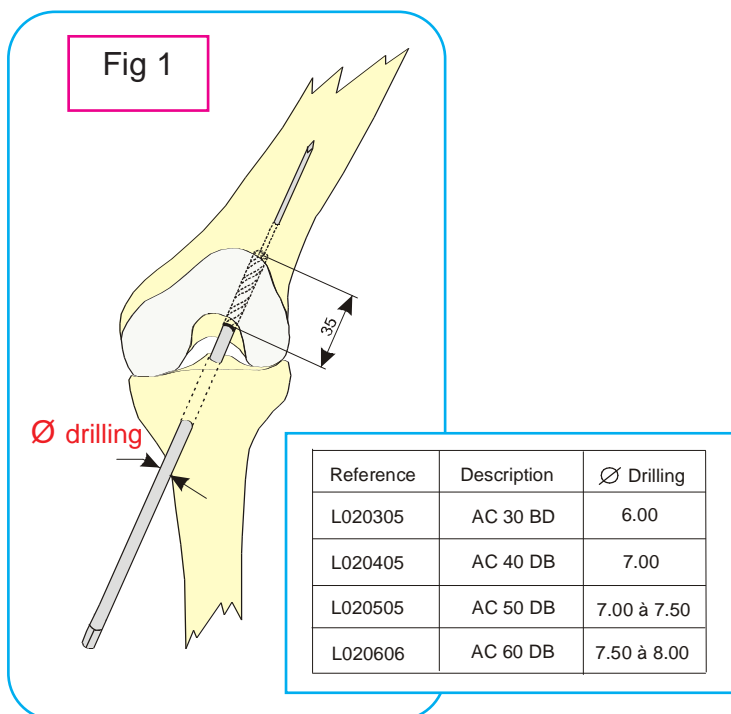
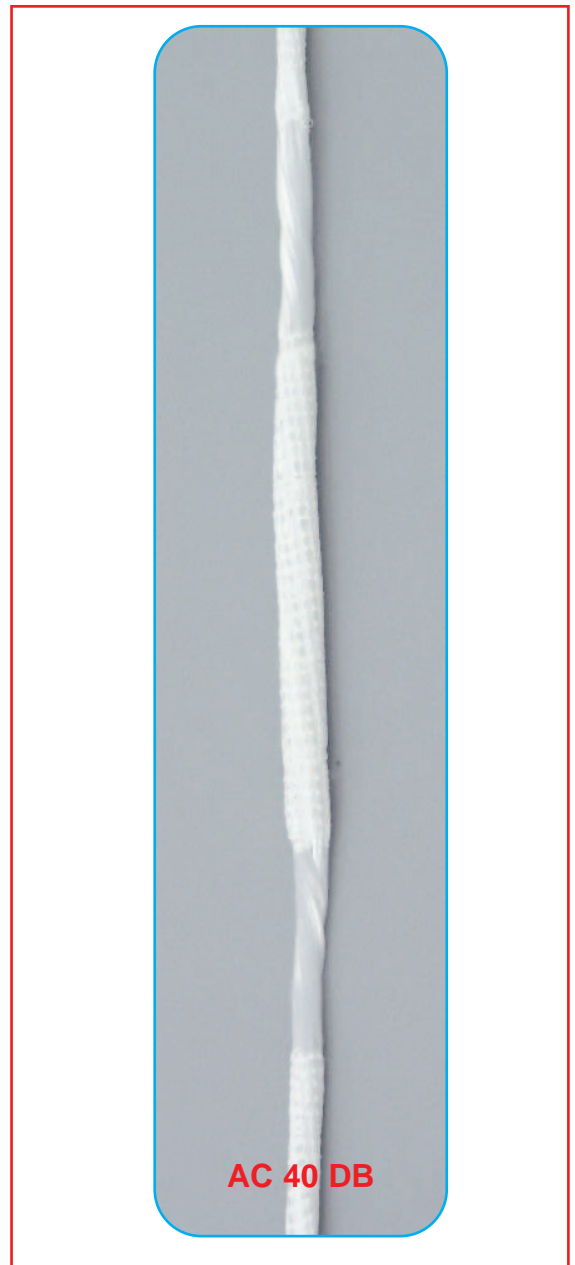
L020505 - AC 50 DB

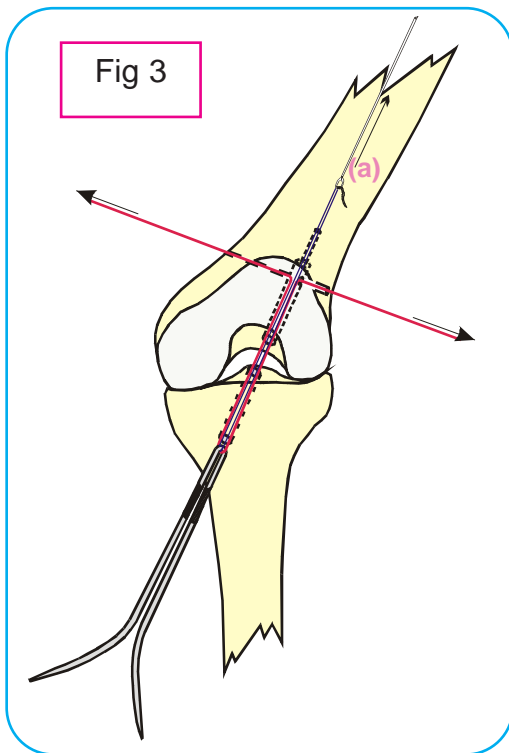
L020606 - AC 60 DB

is composed by :

- two weaved extremity of 40, 50 or 60 fibres,
- two 30 mm parts of free fibres corresponding to the intra articular part, each composed by 40, 50 or 60 fibres,
- a central 70 mm part of twisted fibres reversed on themselves to reach 80, 100 or 120 fibres for to get maximal resistance at the folding point.

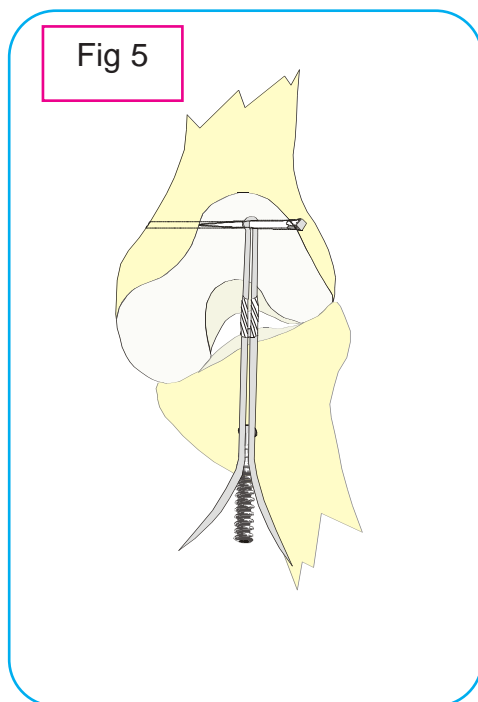
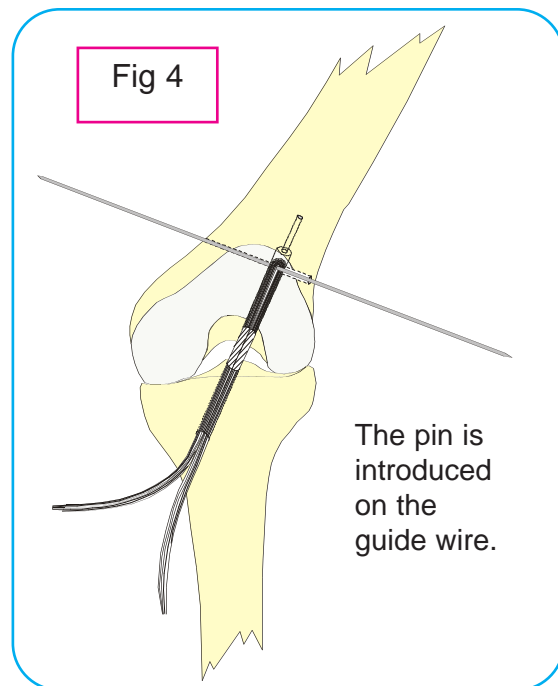
Surgical technique





The ligament is passed across the metallic wire with the help of a strong traction on the thread (a). It is drawn in the axis of the tibial and the femoral tunnels.

Before to draw, it is necessary to control carefully that the two bundles of free fibres are at the same level.



After controlled the resistance to traction and of the isometry, an interference **LARS** screw * $\text{Ø } 7 / 8 / 9 / 10 \times 30 \text{ mm}$, according to the bone density, fixes the tibial part.

The screw must be inserted in the middle of the two bundles in way to have press fit to the bone wall of the tunnel.

In case of poor bone density, the fixation must be completed with a staple.

(* Reference F110730 / F110830 / F110930 / F111030)

Post-operative care

- Passive motion with or without C.P.M.
- Isometric contraction of the quadriceps since the first day.
- At the 3rd week, all the range of flexion-extension has generally been reached.
- Weight-bearing with or without crutches as early as possible according to the patient's tolerance (1st or 3rd day).
- Isometric work of quadriceps. The active dynamic contractions against resistance begins generally on the 3rd week.
- After 21 days, the rehabilitation of proprioception and the muscular stretching are carried on for 2 months or until the total recover of full range of motion with deficit under 20 %.
- The progressive return to the athletic preparation begins from the 1st and 3rd month, depending the progresses of the patient.



A Company certified in accordance with the requirement of international standards.



NF EN ISO 13485

LARS ligaments (class IIb) and LARS ancillaries materials (class I - class IIa)
are medical devices comply with the requirement of
directive 93/42/EEC.

Certifications obtained in 1997

