LARS™

Product Catalogue

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VEN/IN 03.08 (en) Rev.2025-02

Ligaments

Knee

Shoulder

Foot & Ankle

Soft Tissue

Fixations

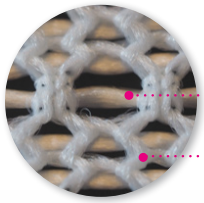
Ligaments
General information

LARS™ is suitable for a wide range of applications from Anterior Cruciate Ligament (ACL), Posterior Cruciate Ligament (PCL), to knee extensor mechanism, foot & ankle ligaments, shoulder, tendon or muscular reconstruction for bone tumor cases.

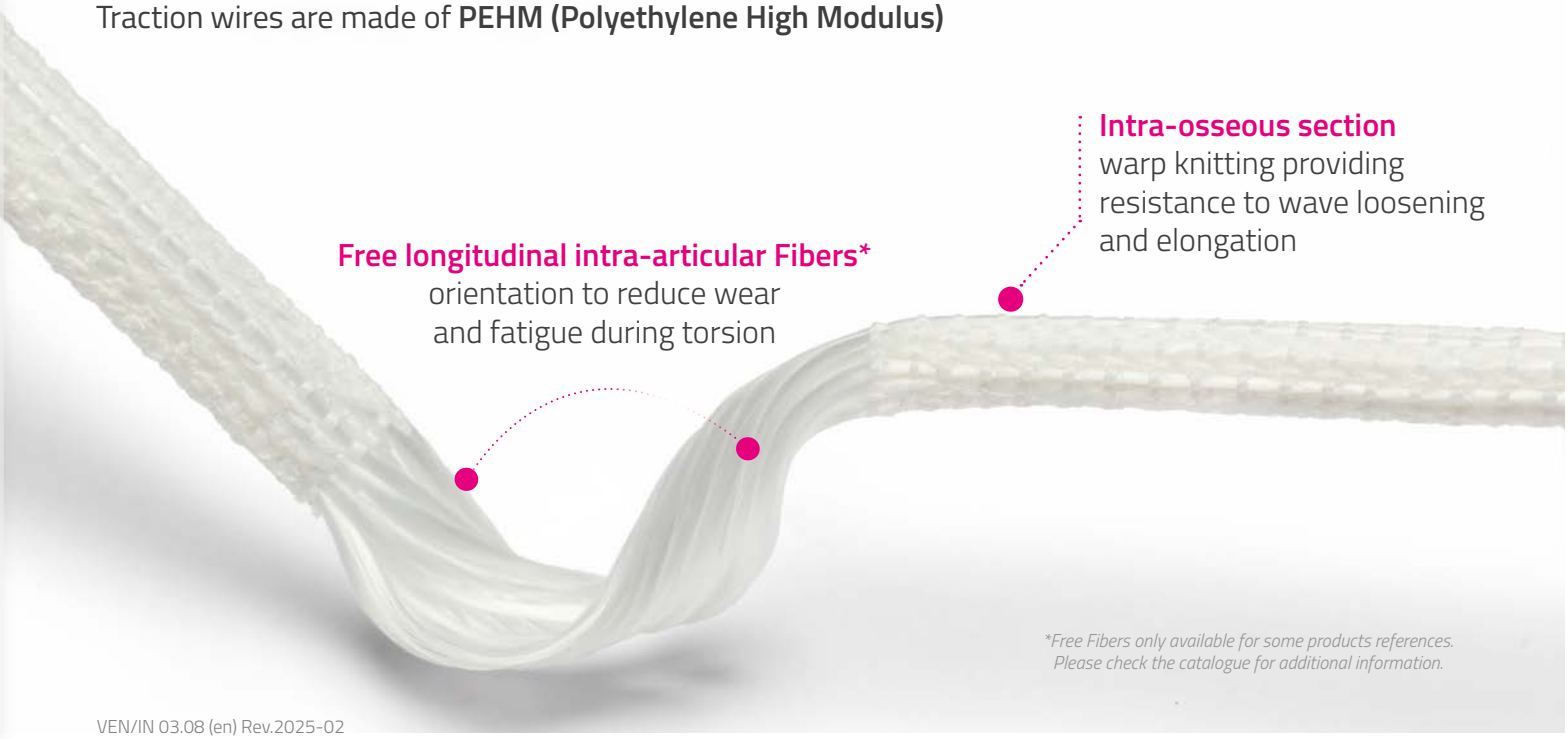
LARS device is recommended for partial tears with **reinforcement of the native soft tissue** or **reinforcement with autograft or allograft**. When the tear is complete, in case of rupture, LARS device is recommended for the **reconstruction** of the native soft tissue.

Fabric
The **Polyethylene Terephthalate (PET)** fabric is composed of adjacent technical threads, cross-linked by a mesh that holds the structure together. The PET fabric is cut with a specific number and length of Technical Fibers depending on their intended purpose, then rolled or folded, and sewn with a PET sewing thread to maintain the LARS device shape.

Traction Wires
They are added for some references to facilitate the positioning of the implant in its target site. In every case, these traction wires are not implanted in the body.



Material
All implants are made of **PET (Polyethylene Terephthalate)**
Traction wires are made of **PEHM (Polyethylene High Modulus)**



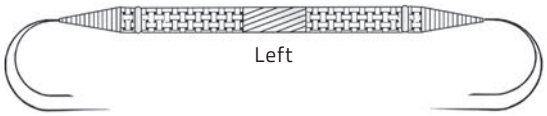
Free Fibers only available for some products references. Please check the catalogue for additional information.

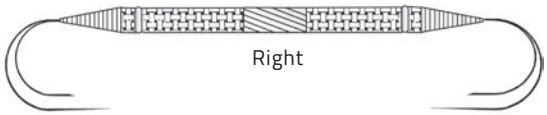
Anterior Cruciate Ligament (ACL)

RECONSTRUCTION | REINFORCEMENT WITH GRAFT

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L020801	AC 80 L	●	Left, Single Bundle	80	7.5	3,500	7.0	8.0
L020802	AC 80 R	●	Right, Single Bundle	80	7.5	3,500	7.0	8.0
L021001	AC 100 2BL	●	Left, Single Bundle	100	8.0	3,600	7.5	8.0
L021002	AC 100 2BR	●	Right, Single Bundle	100	8.0	3,600	7.5	8.0
L021201	AC 120 2BL	●	Left, Single Bundle	120	8.5	4,500	8.0	9.0
L021202	AC 120 2BR	●	Right, Single Bundle	120	8.5	4,500	8.0	9.0

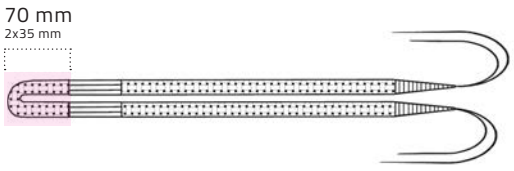
Minimal length: 350 mm / Length Free Fibers: 28 mm





Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L020305	AC 30 DB	●●	Double Bundle	30	4.5	2,000	6.0	7.0

Minimal length: 450 mm / Length Free Fibers: 28 mm / Length Femoral Bundle: 70 mm, 2x35 mm



Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter
L020405	AC 40 DB	●	Double Bundle	40	4.5	3,000	7.0	8.0
L020505	AC 50 DB	●	Double Bundle	50	5.0	3,500	8.0	9.0
L020606	AC 60 DB	●	Double Bundle	60	5.0	4,250	8.0	9.0

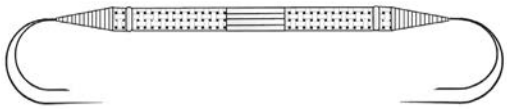
Minimal length: 450 mm / Length Free Fibers: 28 mm
Length Femoral Bundle: 70 mm, 2x35 mm

Posterior Cruciate Ligament (PCL)

RECONSTRUCTION

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L010605	PC 60	●	Single Bundle	60	6.5	2,700	6.0	7.0
L010805	PC 80	●	Single Bundle	80	7.5	3,600	7.5	8.0

Minimal length: 350 mm / Length Free Fibers: 40 mm

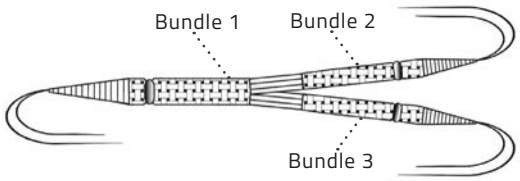


Posterior Cruciate Ligament (PCL) - Double Bundle

RECONSTRUCTION

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L041005	PPLY 100	●	Double Bundle	B1:100 B2: 50 B3: 50	D1: 8.0 D2: 6.0 D3: 6.0	4,000	D1: 7.5 D2: 6.0 D3: 6.0	D1: 8.0 D2: 7.0 D3: 7.0

Minimal length: 450 mm / Length Free Fibers: 47.5mm each

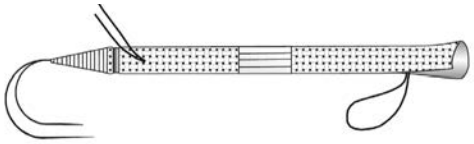


Anterior and Posterior Cruciate Ligament (ACL & PCL)

REINFORCEMENT WITH GRAFT

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L030406	ACTOR 8	●	Tubular, Single Bundle, Hot-dog Technique	46	8.5	2,200	n/a*	n/a*
L030407	ACTOR 10	●	Tubular, Single Bundle, Hot-dog Technique	60	10.5	2,000	n/a*	n/a*

Minimal length: 350 mm / Length Free Fibers: 28 mm



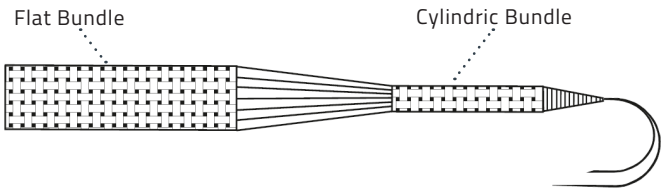
**Tunnel diameter and recommended screw diameter depend on graft diameter size*

Medial Collateral Ligament

RECONSTRUCTION

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L060305	MCL 32	●	Single Bundle	32	4.5	1,400	5.0	6.0

Minimal length: 350 mm / Length Free Fibers: 28 mm
Staples must be used to fix the flat Bundle of the MCL 32



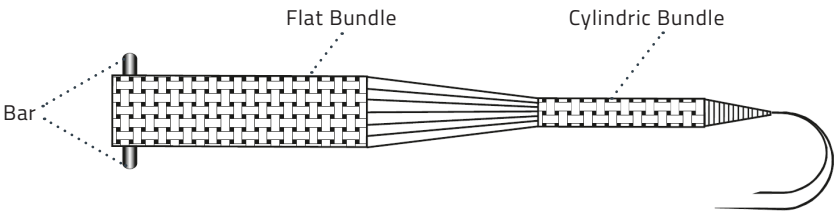
Notes

Patellar Tendon

RECONSTRUCTION | REINFORCEMENT OF NATIVE TISSUE

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L050305	PTR 30	●●	Single Bundle	30	4.5	1,400	5.0	6.0

Minimal length: 210 mm / Length Free Fibers: 40 mm
Material: made out of **PET** and **Stainless Steel Bar**

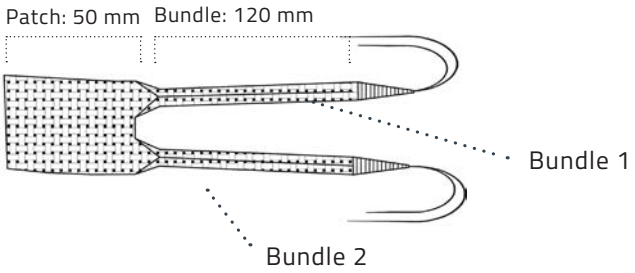


Notes

Rotator-Cuff (RC)

REINFORCEMENT OF NATIVE TISSUE

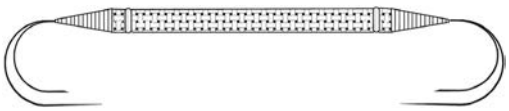
Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L410305	CR 30/SB	●	Single Bundle	60	D1: 4.0 D2: 4.0	2,350	D1: 4.5 D2: 4.5	D1: 5.2 D2: 5.2



Acromioclavicular Joint (ACJ)

RECONSTRUCTION

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Minimal length (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L400205	LAC 20	●	Single Bundle	20	4.0	370	1,000	3.5	4.7
L400305	LAC 30 CK	●	Single Bundle	30	5.0	450	1,500	4.5	5.2

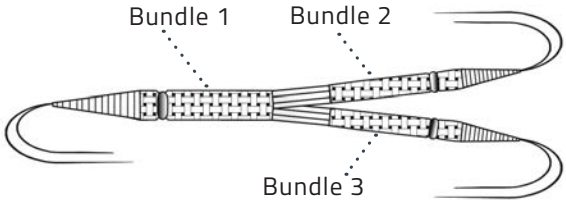


Ankle Lateral Ligament

RECONSTRUCTION

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L200405	LLEA 44	●	Double Bundle	B1: 44 B2: 22 B3: 22	D1: 5.5 D2: 4.0 D3: 4.0	1,900	D1: 5.0 D2: 4.5 D3: 4.5	D1: 6.0 D2: 5.2 D3: 5.2

Minimal length: 350 mm / Length Free Fibers: 15 mm

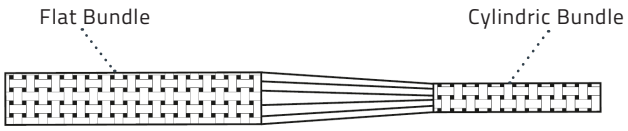


Achilles Tendon

RECONSTRUCTION REINFORCEMENT OF NATIVE TISSUE

Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L300605	AT 60	●●	Single Bundle	60	6.5	3,200	6.0	7.0

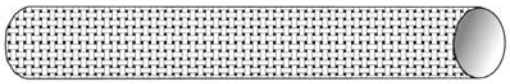
Minimal length: 200 mm / Length Free Fibers: 40 mm



REINFORCEMENT OF NATIVE TISSUE

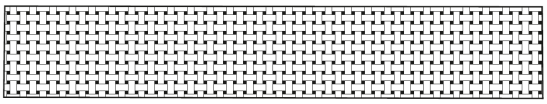
Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum tube diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L130605B	R06x400/S	●	Tubular	220	42	4,600	n/a	n/a

Minimal length: 370 mm



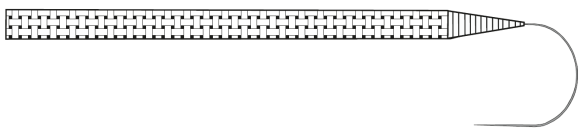
Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum width (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L130605C	R06x400 (6 cm)	●	Flat Bundle	110	60	3,300	n/a	n/a

Minimal length: 370 mm



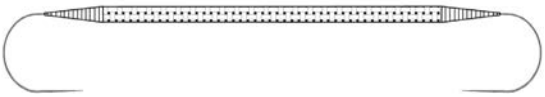
Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum width (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L130605	R06x400 (6 mm)	●	Flat Bundle	10	6.0	500	n/a	n/a

Minimal length: 370 mm



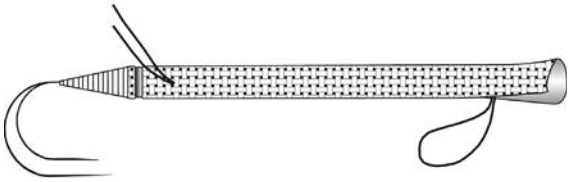
Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum width (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L130605D	R06x400/V	●	Flat Bundle	6	3.0	250	n/a	n/a

Minimal length: 370 mm



Part number	Product code	Use	Design information	Technical fibers in unit(s)	Maximum tube diameter (mm)	Theoretical tensile strength (N)	Recommended tunnel diameter (mm)	Recommended screw diameter (mm)
L030405	ACTOR 5	●	Tubular	60	10.5	3,000	n/a	n/a

Minimal length: 350 mm



Fixations
General information

Screws

Material

The LARS cannulated ligament screws are made of Titanium Alloy, according to **ISO 5832-3 standard**.

Shapes and dimensions

Two types of screws are available with variable dimensions, in diameter and length.

Their dimensions vary according to the surgical needs. Both types of screws are specially designed with a rounded and therefore **non-edged screw** thread to ease the insertion and provide a strong fixation without creating any damage to the ligament or the tendon.

Staples

The LARS staple are available in three sizes. Their sharp extremities are designed to easy the staple insertion into the bone, while sharp edges under the staple bridge are designed to ease the fixation of the LARS ligament

Material

Staples are made of Cobalt Chromium Alloy, according to **ISO 5832-4** standard.

All our fixations are delivered sterile.

SCREWS

Part number	Product description	Diameter (mm)	Length (mm)
FST314715	Ø 4.7 mm x 15 mm	4.7	15
FST315215	Ø 5.2 mm x 15 mm	5.2	15
FST315220	Ø 5.2 mm x 20 mm	5.2	20
FST315230	Ø 5.2 mm x 30 mm	5.2	30

Part number	Product description	Diameter (mm)	Length (mm)
FST110625	Ø 6 mm x 25 mm	6.0	25
FST110630	Ø 6 mm x 30 mm	6.0	30
FST110725	Ø 7 mm x 25 mm	7.0	25
FST110730	Ø 7 mm x 30 mm	7.0	30
FST110825	Ø 8 mm x 25 mm	8.0	25
FST110830	Ø 8 mm x 30 mm	8.0	30
FST110925	Ø 9 mm x 25 mm	9.0	25
FST110930	Ø 9 mm x 30 mm	9.0	30
FST111030	Ø 10 mm x 30 mm	10	30

Headless screws to be seated flush to the bone

STAPLES

Part number	Product description	Width (mm)	Length (mm)
GST200620	6 mm x 20 mm	6	20
GST200820	8 mm x 20 mm	8	20
GST201020	10 mm x 20 mm	10	20

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MOVMEDIX

5, rue de la Fontaine
21560 Arc-sur-Tille - France
Tel: + 33 (0)3 80 37 26 60
Email: contact@movmedix.com

movmedix.com

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