Instruments for PCL Reconstruction
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Reconstruction of the posterior cruciate ligament requires a specialized instrument set. Therefore, KARL STORZ offers you a proved and tested product range of specialized instruments for posterior cruciate ligament (PCL) surgery, alongside the standard instrument set for cruciate ligament surgery.

Due to its anatomic positioning and the surrounding structures, posterior cruciate ligament surgery remains a challenge. Working in close cooperation with surgeons, KARL STORZ has succeeded in developing instruments which can be optimally adapted to suit the anatomical conditions in PCL reconstruction. It enables an anatomical, biological and functional PCL reconstruction.

Harvesting and preparation of grafts

Differences in size, length and condition of harvested tendons demand an instrument set which allows the surgeon to prepare a number of different graft types. KARL STORZ has developed a range of tendon strippers for the harvesting of tendons, which can be adapted to the individual, anatomical particulars of the patient.
The tendon board offers an all-in-one solution for these demands. Whether you are using semitendinosus tendons or semitendinosus and gracilis tendons double, triple or even quadruple folded, the tendon board provides you with the perfect workstation for all methods.

The instrument set for tendon preparation is complemented by a graft sizer for accurate dimensioning of the graft. The measuring block offers simple handling, joins equal and unequal diameters and can be used on a graft held by the tendon board.

The tendon board allows precise preparation of the graft and minimizes any calculation difficulties for graft dimensioning.
Drill Tunnels:
Positioning and Drilling

Femoral and tibial target guides ensure the anatomically correct positioning of drill tunnels.

1. Positioning of tibial tunnel

The unique tip design is what makes the tibial target guide really special. The unique dimensioned targeting surface on the tip of the target guide provides extra protection against the guide wire’s uncontrolled slipping past the target toward the popliteal vessel. The extra protected target area enables safe positioning of the drill tunnels. In addition, the length of the tibial tunnel can be defined in advance with the help of the target guide.

A robust design offering extremely high precision nicely rounds off the special features of the tibial target guide. The target guide is available in three different versions.

Alongside the straight version, versions angled to the left and right respectively are available.

2. Positioning of femoral tunnel

A range of target guides designed with anatomic structures in mind are available for the positioning of the femoral tunnel. The rounded design of the distal end allows the target guide to be placed against the bone-cartilage interface at the required diameter. This guarantees the anatomical correct positioning of the tunnel.

Following the anatomical correct positioning of the tunnels, they then can be enlarged to the required diameter with the help of trephine drills or dilators.
Implants for Graft Fixation

KARL STORZ offers a wide variety of implants for graft fixation using different techniques. This includes FLIPPTACK® and ENDOTACK® for extracortical fixation and the products of the MEGA FIX® range for joint line fixation of tendons.

Accessories

Corresponding accessories with a particularly striking and unique ergonomic design are also available for PCL reconstruction.
Instruments

28729 AB  **Tendon Stripper**, graduated, diameter 7 mm, length 30 cm

28729 AC  **Open Tendon Stripper**, graduated, diameter 7.5 mm, length 30 cm

28729 SH  **Tendon Hook**

28729 D  **Drilling Wire**, spiral shape, with eyelet, diameter 2.4 mm, length 38 cm, for use with Bone Drills 28729 BA – BH, Collar Burrs 28729 BKC – BKF/BLC – BLF and Drills 28729 GA – GE

28729 DG  **Guide Sleeve**, for the correction of the tibial tunnel, with concentric holes for a 2.4 mm guide wire diameter, realignment possible from 3 – 9 mm

28729 SB  **Tendon Board**, including FLIPPTACK® Retainer 28729 SC

28729 SC  **FLIPPTACK® Retainer**, only
**Instruments**

28729 S  **Tendon Thickness Tester**, for determination of tendon thickness size 6 – 10 mm at intervals of 1 mm

28729 SU  **Same**, from size 6.5 – 10.5 mm at intervals of 1 mm

28729 SA  **Same**, from size 6 – 10.5 mm at intervals of 0.5 mm

28729 SE  **Same**, from size 7 – 12 mm at intervals of 0.5 mm

28729 FK  **Thread Clip**

28729 FT  **FLIPPTACK**, extracortical fixation button, 4 x 12 mm, sterile

28729 FC  **Catgut Polyester-S white**, 3 x 75 cm, USP 7, sterile, package of 24, for use with FLIPPTACK®, extracortical fixation button

28729 ZBB  **Tibial Target Guide**, large, for PCL reconstruction

28729 ZB  **Tibial Target Guide**, for PCL reconstruction

28729 ZL  **Tibial Target Guide**, for PCL reconstruction, curved to left

28729 ZR  **Tibial Target Guide**, for PCL reconstruction, curved to right
Instruments

28729 ZG  **Handle**, with ratchet, for use with Inserts 28729 ZM – ZQ, WZ, VX – VZ, WU – WW, WA – WD

28729 WA  **Femoral Target Guide Attachment**, for PCL reconstruction, for use through the anterolateral port, for precise anatomic placement of the femoral tunnel, 4 locking positions, for drill diameter 7 mm, for use with Handle 28729 ZG

28729 WB  Same, for drill diameter 8 mm

28729 WC  Same, for drill diameter 9 mm

28729 WD  Same, for drill diameter 10 mm
Instruments

28729 TT  **ENDOTACK**, tibial fixation button, 10 x 16 mm, sterile

28729 ST  **Positioning Device**, for use with ENDOTACK 28729 TT

28729 TM  **Tensiometer**, for measuring and controlling the tension of the graft

28729 MS  **Button Wrench**, for use with ENDOTACK 28729 TT

28729 KK  **Knot Holder**, small, 1 x 1 mm, working length 14.5 cm
Instruments

28789 SK  **CROSSDRIVE® Screwdriver**, cannulated, size 8 – 11, for use with bioresorbable MEGA FIX® screws diameter 8 – 11 mm

28770 SK  **CROSSDRIVE® Screwdriver**, cannulated, size 7, for use with bioresorbable MEGA FIX® screws diameter 7 mm

28760 SK  **CROSSDRIVE® Screwdriver**, cannulated, size 6, for use with bioresorbable MEGA FIX® screws diameter 6 mm

28789 CD  **CROSSDRIVE® Plus Screwdriver**, cannulated, for use with MEGA FIX® titanium interference screws and Nitinol Guide Wire 28789 FW

28789 FW  **Nitinol Guide Wire**, diameter 2 mm, length 38.5 cm, for use with CROSSDRIVE® Plus Screwdriver 28789 CD

28789 GW  **Nitinol Guide Wire**, diameter 1.1 mm, length 38.5 cm, for use with CROSSDRIVE® Screwdrivers 28789 SK, 28770 SK and 28760 SK

28789 KW  **Same**, length 25.5 cm

28729 P  **Tissue Forceps**, 1 x 2 teeth, medium, distal curved to left, length 14.5 cm

28729 L  **Length Gauge**, for cruciate ligament reconstruction, graduated, working length 23 cm
**Instruments**

28729 WH  **Elevator**, for PCL reconstruction, with T-shaped handle

28729 WJ  **Thread Catcher**, for PCL reconstruction, with T-shaped handle
Instruments

28729 AH  **Awl**, for PCL reconstruction, working length 20 cm

28729 EH  **Elevator**, for PCL reconstruction, working length 15.5 cm

28729 R   **Raspatory**, for PCL reconstruction, working length 13 cm
Instruments

28729 N  Notcher, with fin-like blade to assist screw insertion, working length 15 cm

28729 NO  Notch Chisel, curved downwards 15°, working length 13 cm

174800  Metal Mallet, with plastic replacement head, length 22.5 cm
Implants

**Mega Fix® B**

- 2870619 B **MEGA FIX® B**, Bioabsorbable Interference Screw, diameter 6 mm, length 19 mm, sterile
- 2870623 B **Same**, diameter 6 mm, length 23 mm
- 2870719 B **Same**, diameter 7 mm, length 19 mm,
- 2870723 B **Same**, diameter 7 mm, length 23 mm
- 2870728 B **Same**, diameter 7 mm, length 28 mm
- 2870819 B **Same**, diameter 8 mm, length 19 mm
- 2870823 B **Same**, diameter 8 mm, length 23 mm
- 2870828 B **Same**, diameter 8 mm, length 28 mm
- 2870923 B **Same**, diameter 9 mm, length 23 mm
- 2870928 B **Same**, diameter 9 mm, length 28 mm

**Mega Fix® P**

- 2870823 P **MEGA FIX® P**, perforated, Bioabsorbable Interference Screw, diameter 8 mm, length 23 mm, sterile
- 2870828 P **Same**, diameter 8 mm, length 28 mm
- 2870923 P **Same**, diameter 9 mm, length 23 mm
- 2870928 P **Same**, diameter 9 mm, length 28 mm
- 2870935 P **Same**, diameter 9 mm, length 35 mm
- 2871028 P **Same**, diameter 10 mm, length 28 mm
- 2871035 P **Same**, diameter 10 mm, length 35 mm
- 2871135 P **Same**, diameter 11 mm, length 35 mm

**Mega Fix® C**

- 2870619 C **MEGA FIX® C**, Bioabsorbable Composite Interference Screw, diameter 6 mm, length 19 mm, sterile
- 2870623 C **Same**, diameter 6 mm, length 23 mm
- 2870719 C **Same**, diameter 7 mm, length 19 mm,
- 2870723 C **Same**, diameter 7 mm, length 23 mm
- 2870728 C **Same**, diameter 7 mm, length 28 mm
- 2870819 C **Same**, diameter 8 mm, length 19 mm
- 2870823 C **Same**, diameter 8 mm, length 23 mm
- 2870828 C **Same**, diameter 8 mm, length 28 mm
- 2870923 C **Same**, diameter 9 mm, length 23 mm
- 2870928 C **Same**, diameter 9 mm, length 28 mm

**Mega Fix® CP**

- 2870823 CP **MEGA FIX® CP**, perforated, Bioabsorbable Composite Interference Screw, diameter 8 mm, length 23 mm, sterile
- 2870828 CP **Same**, diameter 8 mm, length 28 mm
- 2870923 CP **Same**, diameter 9 mm, length 23 mm
- 2870928 CP **Same**, diameter 9 mm, length 28 mm
- 2870935 CP **Same**, diameter 9 mm, length 35 mm
- 2871028 CP **Same**, diameter 10 mm, length 28 mm
- 2871035 CP **Same**, diameter 10 mm, length 35 mm
- 2871135 CP **Same**, diameter 11 mm, length 35 mm
Implants

**Mega Fix® T**

**Titanium Interference Screws for BTB-Technique**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>2870720 T</td>
<td>MEGA FIX® T, titanium interference screw, diameter 7 mm, length 20 mm, for Cruciate Ligament Reconstruction with Bone-Tendon-Bone Transplant, sterile</td>
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<tr>
<td>2870725 T</td>
<td>Same, length 25 mm</td>
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**Titanium Interference Screws for Hamstrings Technique**

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</tr>
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<td>2871028 T</td>
<td>Same, length 28 mm</td>
</tr>
</tbody>
</table>
Sterilization Container and Leg Holder

39351 J  Plastic Container for Sterilization and Storage, perforated, with transparent lid, with silicone mat, for two-level storage, for use with 16 forceps and 8 instruments, external dimensions (w x d x h): 520 mm x 250 mm x 145 mm

28188 D  Arthroscopy Leg Holder, including release clamp 25 mm, neoprene cushion and closure stripe
Additional literature:

• **ENDOWORLD®:**
  – Mega Fix®-Composite – The Bioresorbable Composite Interference Screw (ART 41)
  – UNIDRIVE® S III ARTHRO – Your Complete Solution for Arthroscopy (ART 46)
  – Instruments for use in ACL reconstruction – Semitendinosus and/or gracilis tendon (ART 39)
  – Hybrid fixation with MEGASHIM™ for femoral fixation in ACL reconstruction (ART 50)

It is recommended to check the suitability of the product for the intended procedure prior to use.