Instruments for PCL Reconstruction

Reconstruction of the posterior cruciate ligament requires a specific instrument set. KARL STORZ offers you a wide range of instruments designed 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. KARL STORZ has developed instruments which can be suitably adapted to the anatomical conditions in PCL reconstruction.

Harvesting and graft preparation

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 right 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

1. Positioning of the tibial tunnel
The particular tip design is what makes the tibial target guide special. The specifically 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 accurate 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 high precision nicely rounds off the special features of the tibial target guide. The target guide is available in four different versions.
Alongside the standard and large straight versions, versions angled to the left and right respectively are available.

2. Positioning of the femoral tunnel
A range of target guides are available for the placement 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 allows the correct anatomical positioning of the tunnel.
Following the correct anatomical positioning of the tunnels, they can then 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 MEGA FIX® product range for joint line fixation of tendons.

Accessories

Corresponding accessories with a particular ergonomic design are also available for PCL reconstruction.
Instruments

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

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

28729SH  **Tendon Hook**

28729D-6  **Drilling Wire**, spiral shape, with eyelet, diameter 2.4 mm, length 38 cm, unsterile, for single use, package of 6, for use with Undercut Drills 28729BA - BH, POWERFIX® Undercut Drills 28729BER - BNR, Collar Burrs 28729BLC – BLF and Drills 28729 GA – GE

28729DG  **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

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

28729SC  **FLIPPTACK Retainer**, only
Instruments

28729SA  **Tendon Thickness Tester**, for determination of tendon thickness size 6 – 10.5 mm at intervals of 0.5 mm

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

28729FK  **Thread Clip**

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

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

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

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

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

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

28729WA  **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 28729ZG

28729WB  **Same**, for drill diameter 8 mm

28729WC  **Same**, for drill diameter 9 mm

28729WD  **Same**, for drill diameter 10 mm
Instruments

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

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

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

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

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

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

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

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

28789GW-6  **Nitinol Guide Wire**, diameter 1.1 mm, length 38.5 mm, unsterile, for single use, package of 6, for use with CROSSDRIVE® Screwdrivers 28789SK, 28770SK and 28760SK

28789KW-6  **Same**, length 25.5 cm

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

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

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

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

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

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

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

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

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

It is recommended to check the suitability of the product for the intended procedure prior to use. Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.
Implants

Mega Fix® B

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

Mega Fix® P

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

Mega Fix® C

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

Mega Fix® CP

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