

Models for total Knee Arthroplasty Workshop

SYNBONE offers a wide range of knee models for prosthesis training. These models have very different and specific characteristics, depending on the focus of the training. Various ligaments are available as accessories.

LDPR0728 Knee Left PCL

The elasticity of the ligaments in this model are very realistic. Enlargement of the joint cavity and positioning of the incisions must be performed against the resistance created by the ligaments. The placement of the prosthesis must also be carried out against the tension created by the ligaments. A force gauge can be used with this model.

Description	Left Knee with Femur, Tibia, Ligaments and PCL. Canal openings closed with cancellous bone	Fracture	Intact model
Dimensions	Overall length: 830mm. Condylar width: 80mm	Remarks	Suitable for demonstrating total knee replacement surgery
Material	Cortical low density / soft cancellous bone. Ligaments: red nylon		



LDPR1305 Knee left ACL PCL

The elasticity of the polyester rope ligaments allows a limited extension.

Description	Left Knee with Femur, Tibia, Ligaments, ACL and PCL	Fracture	Intact model
Dimensions	Overall length: 830mm. Condylar width: 80mm Ligaments: Rope Ø4mm	Material	Cortical low density / soft cancellous bone. Ligaments: Polyester rope



PRODUCT DETAILS

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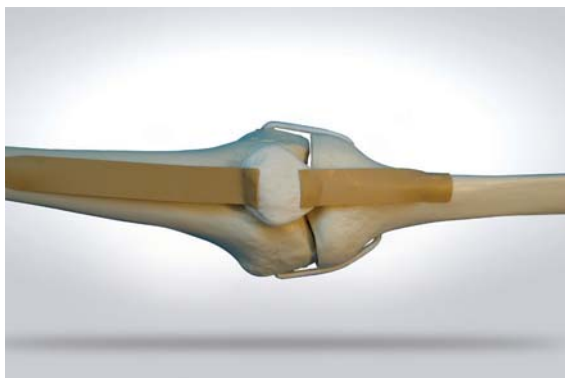
LD1700 Knee left

Description	Left Knee with Femur, Tibia, Patella and elastic rope Ligaments including ACL PCL	Fracture	Intact model
Dimensions	Overall length: 830mm. Condylar width: 80mm	Remarks	Suitable for demonstrating total knee replacement surgery
Material	Cortical low density / soft cancellous bone		



LD1701 Knee left

Description	Left Knee with Femur, Tibia, Patella and elastic rope Ligaments including PCL	Fracture	Intact model
Dimensions	Overall length: 830mm. Condylar width: 80mm	Material	Cortical low density / soft cancellous bone



LD1703 Knee left

Description	Left Knee with Femur, Tibia, Patella and elastic rope Ligaments including PCL. Patella mounted with rubber band
Dimensions	Overall length: 830mm. Condylar width: 80mm
Material	Cortical low density / soft cancellous bone
Fracture	Intact model



LD1704 Knee left

Description	Left Knee with Femur, Tibia and rubber Ligaments
Dimensions	Overall length: 830mm. Condylar
Material	Cortical low density / soft cancellous bone. Ligaments: rubber
Fracture	Intact model
Remarks	Suitable for demonstrating ACL / PCL replacement surgery

LDPR1521 Knee with Deformity

This knee model has a 20° varus malformation and osteoarthritis. The outcome of this exercise is that the anatomical axis has to be corrected as well.

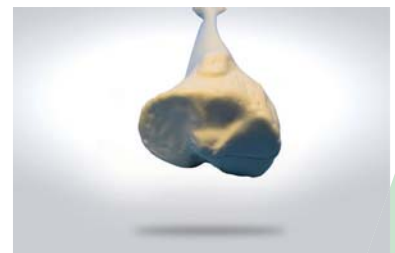
Description	Righth Knee with malformation 20° varus and osteoarthritis	Fracture	Intact model
Dimensions	Overall length: 840mm	Remarks	Cortical low density / soft cancellous bone
Material	Femur and Tibia Cortical low density / soft cancellous bone Fibula solid foam		



These bone components are also available as individual bones

LD1176 Tibia malform

Description	Right Tibia with 10° tibia plateau varus malformation with osteoarthritis	Material	Cortical low density/ soft cancellous bone
Dimensions			



PRODUCT DETAILS

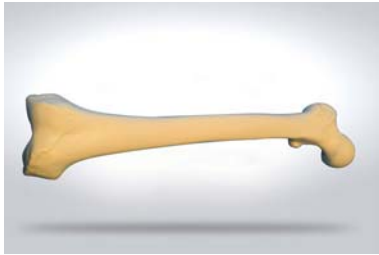
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LD2176 Femur malform

Description Right Femur with antecurvature of 1500 mm, distal varus malformation and osteoarthritis

Dimensions Length: 450mm. Condylar width: 85mm. Neck angle: 122°. Anteversion: 15°. Head diameter: 48mm. Canal diameter: 13mm, Varus deviation: 10° distal



As details make the difference SYNBONE is your preferred partner for better education outcome.

Customized solutions are also available, please contact us if you need another model definition.

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