Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Human Knee Joint Model, Life Size

Product Code :

SLE/BL/48



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Description :

Human Knee Joint Model, Life Size (Product Code: SLE/BL/48) is a functional knee joint on a stand used to demonstrate flexion, extension and internal/external rotation in anatomy, physiotherapy and sports science teaching. Flexible artificial ligaments hold the joint together as it moves, and the model measures 12.5 × 12.5 × 32 cm. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, for college anatomy rooms and high school biology lab equipment lists.

Specifications

Parameter	Detail
Joint represented	Human knee joint
Movements demonstrated	Flexion, extension, internal and external rotation
Ligaments	Flexible artificial ligaments included
Size	12.5 × 12.5 × 32 cm
Scale	Life size
Mounting	On stand
Product code	SLE/BL/48
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Knee Joint Model Used For?

Bend the model slowly from full extension into flexion and the class can watch how the ligaments tighten and slacken as the joint moves. With the knee partly bent, a gentle twist demonstrates the internal and external rotation that the knee allows only in flexion — a useful starting point for discussing twisting injuries in sport and why ligament tears are so common.

Clinics and physiotherapy departments use the same model at the bedside to explain a diagnosis or a rehabilitation exercise to a patient. In schools it supports the chapter on movement and locomotion, where students classify the knee as a hinge-type synovial joint. Move the joint within its natural range only; forcing it past its limits can overstretch the flexible ligaments.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the original equipment manufacturer (OEM) of this knee joint model and makes it at its own licensed factory at Saha, Ambala, Haryana, India. Physiotherapy colleges, schools, clinics, dealers and importers order it factory-direct, so the quotation comes from the maker rather than a reseller. If a ligament needs attention after years of demonstrations, ask us — spares enquiries are handled by the manufacturer itself. Visit the company profile to learn more.

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Mode

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