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Product Name :

Miniature Functional Knee Joint

Product Code :

SLE/A/34



Description :

Miniature Functional Knee Joint (Product Code: SLE/A/34) is a one-half life-size working model of the human knee used to demonstrate how the joint bends and straightens in biology, physical-education and physiotherapy lessons. The model lifts off its base for handling, and the base itself carries a cross-sectional relief of the joint, so one small item shows both movement and internal structure. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Functional model of the human knee joint
Scale	One-half life-size
Base	Includes a cross-sectional relief of the joint
Handling	Model can be removed from the base for easy manipulation
Size	10 × 14 × 24 cm
Weight	0.4 kg
Product code	SLE/A/34
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Miniature Functional Knee Joint Used For?

Being functional, the knee can be taken off its base and moved through bending and straightening while students watch how the thigh bone rolls and glides on the top of the shin bone. That motion is the starting point for explaining why the knee is described as a modified hinge and why it is vulnerable when twisted under load. Back on its base, the cross-sectional relief shows the joint cut through, so the inside of the knee can be compared directly with what was just seen from the outside.

At half life-size and 0.4 kg it is light enough to pass around a class or pack into a teaching bag, which suits visiting lecturers, sports coaching courses and school labs short on space. Schools often include it in a biology model kit bulk order with larger life-size joints, using this miniature for hands-on movement work.

OEM Manufacturer

Jain Scientific Equipments Private Limited, the business behind the ScienceLab brand, is the OEM (original equipment manufacturer) of the Miniature Functional Knee Joint and makes it at its own licensed factory at Saha, Ambala, Haryana, India.

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