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Elbow joint with ligaments with stand

Item No.	4556
Weight	
Brand	Erler Zimmer, Germany

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Categories: Uncategorized

Product Description

Natural casting of a human elbow joint. Upper arm stump, radius and ulna. The ligamentary apparatus and the interosseous membrane are manufactured from elastic material. The model allows demonstration of the movements of the elbow joint such as flexion and extension, in addition to the rolling movement of the bones of the lower arm during pronation and supination. With removable stand
Why Choose the Erler Zimmer Elbow Joint with Ligaments with Stand for Your Simulation Lab in India?

The Elbow Joint with Ligaments with Stand (Item No. 4556) by Erler Zimmer, Germany is a natural casting of a human elbow joint — upper arm stump, radius, and ulna — with a ligamentary apparatus and interosseous membrane manufactured from elastic material, mounted on a removable stand. For anatomy teaching in medical colleges, physiotherapy training programmes, orthopaedic surgery education, and NMC-mandated anatomy labs in India that need a functionally demonstrable elbow joint model with realistic ligament compliance, this model provides the full range of elbow joint movement demonstration on a single authentic-cast platform.

The elastic ligamentary apparatus and interosseous membrane allow the model to be moved through the complete range of elbow joint motions without resistance or breakage — the model demonstrates flexion and extension at the humeroulnar and humeroradial joints, and crucially demonstrates the rolling movement of the radius and ulna during pronation and supination of the forearm. Pronation/supination demonstration is the most clinically important distinguishing feature of the elbow joint that flat anatomical charts and static models cannot convey — the radioulnar relationship and interosseous membrane behaviour during forearm rotation must be seen in three dimensions and felt through the model's elastic ligament system to be understood correctly. The natural human casting ensures anatomically accurate surface detail, joint proportions, and articular surface geometry. The removable stand allows the model to be positioned stably for group demonstration or removed for individual handling during small-group anatomy sessions.

Why Buy from SEM Trainers? SEM Trainers & Systems is an authorized distributor of Erler Zimmer products in India with over 30 years of experience supplying anatomical models and medical simulators to 1,500+ institutions across 28 states. We provide pan-India delivery and dedicated after-sales support.

Frequently Asked Questions

Q: What movements can be demonstrated on this model? A: Flexion and extension of the elbow joint, and the rolling movement of the radius and ulna during pronation and supination — the complete range of elbow joint motion.

Q: What makes the ligament representation realistic? A: The ligamentary apparatus and interosseous membrane are manufactured from elastic material, allowing functional movement demonstration rather than static display of ligament positions.

Q: Is the stand removable? A: Yes. The stand can be removed for individual handling during small-group sessions and reattached for stable group demonstration.