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Product Name :

Moments Kit

Product Code :

SLE/ETP/22



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Description :

Moments Kit (Product Code: SLE/ETP/22) is an engineering science kit used to teach the principle of moments, extending to levers and beams, in polytechnic and technical college laboratories. Built around a rigid beam, it adds a pulley for oblique-force experiments and an L-shape plate for bell crank levers, and works with spring balances to show beam reactions. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of school and college lab equipment, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Main part	Rigid beam for experiments in the principle of moments, extending to levers and beams
Pulley	Allows extra experiments with moments caused by oblique forces
Bell crank plate	L-shape plate for experiments in bell crank levers
Lever types	Shows the three main lever types
Beam balance	Uses moments to find unknown weights, creating simple beam balances
Beam reactions	Works with spring balances to show reaction forces on beams with point loads and uniformly distributed loads
Product code	SLE/ETP/22
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Moments Kit Used For?

Moments explain why a spanner with a longer handle is easier to turn, how a crowbar lifts heavy loads and how bridge supports share a load. With the Moments Kit, students balance the rigid beam with known weights to confirm that clockwise and anticlockwise moments are equal, then use the same rule to find an unknown weight, turning the beam into a simple beam balance.

The kit then moves on to the three main lever types, the bell crank lever on the L-shape plate, and moments from oblique forces using the pulley. With spring balances as supports, students measure reaction forces on a beam under point loads and uniformly distributed loads and compare them with their calculations. Level the beam before each reading and keep string lines clear of the beam edges.

What to Specify When Ordering

- The number of kits needed for your student groups.
- Whether spring balances are needed for the beam-reaction experiments; ask us what the kit includes.
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OEM