

Jib Crane Apparatus (EDC-MM-109)

EXPERIMENTAL DATA:

- Graphical failure of forces by force parallelogram.
- Purpose of the bar forces on various jib forms.
- Comparison of: measuring result – calculation – graphical method.



DESCRIPTION:

A jib arm is the horizontal or near-horizontal beam used in many types of cranes to support the load clear of the main support. An archaic spelling is gib. Usually jib arms are attached to a vertical mast or tower or sometimes to an inclined boom. Apparatus contains a jib and crane for experimentation to study the effect of different weight hanged.

SPECIFICATIONS:

- Tensile and compressive forces in a planar central force system.
- United spring balances in the bars.
- Max. Load on crane jib 50N.
- Stainless steel retaining bar.
- Well-made base plate.

TECHNICAL DATA:

- Spring balance for tensile forces:
 - Tensile force: 0 - 50N.
 - Graduation: 0.5N.
- Spring balance for compressive forces:
 - Pressure force: 0 - 50N.
 - Graduation: 1N.
- Weights:
 - 1x 1N (hanger).
 - 4x 1N.
 - 1x 5N.
 - 4x 10N.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 600 X 250 X 650 approx.
- Weight: 15 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-MM-109.
- 1 x Instructional Manual.

