

Product Name :
Forces In A Crane Jib

Product Code :
TN122



Description :

Forces In A Crane Jib

Technical Specification :

FORCES IN A CRANE JIB

The unit is perform the following experiments and investigations:

Learning Objectives / Experiments:

Graphical breakdown of forces by force parallelogram

Determination of the bar forces on various jib forms

Comparison of: measuring result - calculation - graphical method

Specification:

[1] tensile and compressive forces in a planar central force system based on the example of a crane jib

[2] integrated spring balances in the bars

[3] max. load on crane jib 50N

[4] stainless steel retaining bar

[5] sturdy metal base plate

[6] handles to aid transportation

[7] storage system to house the components

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
Length x Width x Height: 600x200x620mm
Weight: 10kg
Length x Width x Height: 720x480x178mm (storage system)
Weight: 10kg (storage system).

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