

**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).

## Naugralabequipments

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