

Product Name :
Wall Jib Crane

Product Code :
ELABBFA0019



Description :

Wall Jib Crane

Technical Specification :

Wall Jib Crane Features Member forces all directly measured Rapidly variable configuration Wall mounted Folds flat to the wall Three year warranty Range of Experiments Comparison of measured forces with a triangle of forces and theoretical values Comprehension of the action of the crane cable forces on the jib and the effect of the jib inclination Description Although wall jib cranes are obsolete, the self evident confluence of the four forces at the end of the jib illustrates the application of a triangle of forces so clearly to a real situation that this is an invaluable lesson. This wall mounted self-contained jib crane has spring balances built into its two members. After loading the member lengths can be adjusted to their no-load lengths. The jib out-hang and the crane cable inclination can be readily changed. An instruction sheet is provided. This equipment is part of a range designed to both demonstrate and experimentally confirm basic engineering principles. Great care has been given to each item so as to provide wide experimental scope without unduly complicating or compromising the design. Each piece of apparatus is self-contained and compact. Setting up time is minimal, and all measurements are made with the simplest possible instrumentation, so that the student involvement is purely with the engineering principles being taught. A complete instruction manual is provided describing the apparatus, its application, experimental procedure and typical test results.

Elab Engineering Equipments Manufacturers

© LAB ENGINEERING