

PRODUCT SPECIFICATION

ET-IL-FB-300

Intelligent Lifting Balancer

ET-IL-FB-300 is an Easytech intelligent lifting balancer. Rated load: 300 kg; Control functions: Float assistance throughout the travel.



Series reference image.

Configuration, complete technical data and selection guidance

Read the specified load and movement with their conditions. This document supports purchasing and project definition; the supplied equipment instructions govern operation and maintenance.

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Configuration at a glance

Drive	Electric
Mounting	Jib / rail
Materials	Workpieces, Drums, Rolls & reels

Technical specifications

Parameter	Specification
Rated load	300 kg
Control functions	Float assistance throughout the travel
Mounting	Compatible jib / articulating jib system; structure requires separate calculation

Control behavior before nominal capacity

The UP group provides up/down control without float mode; AS describes assisted float; FB describes float assistance throughout the travel. Select the behavior needed at the fixture, then review the end tool and supporting structure. No universal accuracy or speed follows from the group name.

Compare the published configuration

Selection point	ET-IL-FB-300 - Intelligent Lifting Balancer	ET-IL-FB-600 - Intelligent Lifting Balancer	ET-IL-FB-200 - Intelligent Lifting Balancer
Rated load	300 kg	600 kg	200 kg
Control functions	Float assistance throughout the travel	Float assistance throughout the travel	Float assistance throughout the travel
Mounting	Compatible jib / articulating jib system; structure requires separate calculation	Compatible jib / articulating jib system; structure requires separate calculation	Compatible jib / articulating jib system; structure requires separate calculation

Equipment and intended application

The selected lifting device assists vertical positioning from a compatible support system. Assisted-float, full-travel float and up/down-only versions have different operator interfaces. Use the control function explicitly listed for this model; a simple powered hoist is not automatically a balancing device.

Application and integration requirements

Topic	Details
Required control	Choose whether the task needs float assistance for alignment or only powered raising and lowering. Explain how the operator holds and guides the part.
Suspension and end tooling	Include the lifting tool in the supported mass and check headroom, working stroke and lateral coverage of the supporting jib or rail.
Production cycle	Describe pickup/placement heights and required positioning accuracy. Rated load does not establish a particular speed, duty class or accuracy.

Installation, inspection and service checks

Topic	Details
Installation	Verify the support structure and approved end connection, install the specified power supply and commission unloaded before workpiece trials.
Handling	Secure the tool to the workpiece, establish control, raise within the installed limits and fully support the part before release.
Maintenance	Inspect the lifting element, handle, connections and travel limits. Stop if control response becomes erratic or a safety function fails.

Troubleshooting priorities

Topic	Details
Unexpected grip, motion or control behaviour	Stop with the workpiece supported. Inspect the affected connection, contact area and power or air supply, then follow the installed equipment instructions before returning to service.
Replacement does not fit or changes performance	Check the component identity and system configuration. Do not modify interfaces or bypass protective functions to make a substitute fit.

Frequently asked questions

What load should I use when selecting ET-IL-FB-300?

The stated rated load for ET-IL-FB-300 is 300 kg. Apply it only to the specified configuration and operating conditions. Include the workpiece geometry, orientation and any tooling in the application assessment; do not combine separate maximum reach, height and capacity values.

What determines compatibility?

Choose whether the task needs float assistance for alignment or only powered raising and lowering. Explain how the operator holds and guides the part.

What needs checking beyond the listed size or load?

Include the lifting tool in the supported mass and check headroom, working stroke and lateral coverage of the supporting jib or rail.

What defines the supplied configuration?

The specified model, listed technical arrangement and accepted options define the product. Project drawings, utilities, accessories and installation interfaces must describe the same configuration.

Information for application assessment

- Identify the workpiece material, dimensions, mass, contact surface and centre of gravity. Include the least favourable item in a mixed production range.

- Describe pickup and placement positions, required orientation changes, handling frequency and the site layout.
- Identify the available power or air supply and any host machine, crane, support structure or interface that must be retained.
- State the destination market and required documentation, accessories and packing constraints so the proposed configuration can be assessed as a complete system.

Document scope

This product specification supports equipment selection and project definition. It includes the model data and application guidance presented on the product page. The operating instructions supplied for the actual machine govern commissioning, testing, maintenance procedures and safe use; this specification does not replace them.

Product views and application references



Series reference image.

Contact Easytech

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