

Zero Gravity Tool Balancer

This spring load balancer offers a capacity from 0.3kg to 400 kg, with a stroke from 1.3 meters to 3.0 meters. It is designed to suspend tools, hoses, and other equipment.



Product Overview

Industrial Ergonomic Suspension

The Zero Gravity Tool Balancer is designed to enhance efficiency on assembly lines by providing a weightless feel for suspended tools, jigs, and welding equipment. By effectively counterbalancing loads, it significantly reduces operator fatigue and prolongs the operational life of your tools by keeping them clean and organized. Constructed for demanding industrial environments, these units feature adjustable tension and safety mechanisms to ensure controlled, reliable operation.

Technical Specifications

Load Capacity Range

0.3 kg

Minimum Capacity

400 kg

Maximum Capacity

Stroke Length Range

1.3 m

Minimum Stroke

3 m

Maximum Stroke

Application & Features

Selection Tips

- Always select a model that covers the total weight of tools and accessories
- For weights on the border of a model's rating, choose the larger model for longer spring life
- Adjustable tension allows for precise balancing of various tool weights

Common Applications

Assembly Lines, Welding Stations, Workshop Tool Suspension, Jig Management

Safety & Compliance

Safety Mechanisms

Accidental drop prevention • Durable industrial construction • Tool protection system