

Spring Tool Balancer

Spring balancers, also known as tool balancers, are mechanical devices designed to suspend and counterbalance the weight of tools or equipment, making them virtually weightless to the operator. They improve ergonomics, reduce operator fatigue, and enhance productivity in various industrial and assembly applications.



Overview

Zero Gravity Tool Balancers

These spring-loaded tool balancers are designed to suspend tools and equipment, effectively making them weightless for the operator. By counterbalancing the weight of hand tools, these devices significantly improve workplace ergonomics, reduce operator fatigue, and enhance productivity on assembly lines. They feature adjustable tension settings and durable housing, making them ideal for consistent, repetitive tasks in manufacturing and packaging environments.

Technical Specifications

Available Models

Model	Min Load	Max Load	Stroke
HP1-3	1	3	3
HP3-5	3	5	3

Maximum Capacity Range: 400 kg

Net Weight (HP3-5 Model): 1.6 kg

Application

Operational Benefits

- Improved ergonomics and operator comfort
- Reduced physical fatigue
- Increased workflow efficiency
- Smooth, controlled tool movement

Common Industries: Automobile Manufacturing, Packaging Factories, Assembly Lines, Maintenance Operations