Ergonomic Support for
Industrial Environments

SPRING BALANCER

CARL STAHL Craftsman

A spring balancer securely suspends tools, minimizing operator fatigue and enabling smooth, effortless handling. By maintaining consistent tension, it keeps tools in place, enhancing safety, precision and efficiency across various industrial applications.

OUR DIFFERENT ERGONOMIC CONCEPTS

RETRACTORS



The retractor holds tools within easy reach for the user, contributing to an orderly workstation.

FACTS

- Cylindrical shape
- Increased retraction force
- Retracts the attached tool to its initial position

BALANCER



The balancer holds tools and keeps them suspended reliably and safely in the desired position.

FACTS

- Conical shape
- Constant retraction force
- Holds the attached tool in the chosen position

POSITIONERS



The positioner holds tools reliable at any height, even when adding an extra tool.

FACTS

- Compact design
- Constant brake force
- Electrically insulated



KEY BENEFITS

- High strength safety hooks
- Rust free material
- Spring fractured safeguard
- CE certified
- Shock proof design
- No power consumption needed
- Easy and fast maintenance

FIELDS OF APPLICATIONS

- Automotive
- Food
- Medical
- Fitness
- Sun protection

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SPRING BALANCER

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Manufactured According to the Highest Safety Standards

COMMON APPLICATIONS

- Adjustable arms
- Air tools/pneumatic tools
- Airbrushes and guns for painting
- Bottling machines
- Cable holders in electric cabins
- Callipers for holes and micrometres
- Conveyor belts and rails
- Cutting machines
- Electrical and pneumatic staplers
- Exhaust gas combustion hoses
- Filling machines for the food industry
- Guns/airbrushes for spray paint
- Hand scanners
- High pressure floor polishers/cleaning equipment
- Hoses for pumps
- Industrial sewing machines
- Machines for cellars
- Marker machines
- Monitor suspensions
- Nailing machines
- Pipes for petrol pumps
- Power supply busbars
- Power tools
- Push-button panels for cranes
- Riveters
- Robots for dimensional control
- Robot supply cables
- Screw guns
- Sheet welding machines
- Soldering irons
- Stapling machines
- Strapping
- Submersible pumps and stirrers
- Suction systems
- Suspension of equipment or leather processing
- Tools for packing
- Tools for slaughterhouses
- Tools for working rock
- Tools for working wood
- Torque arms
- Tying tools for cables
- Welding guns
- Welding jigs
- X-Ray tools



COMMON APPLICATIONS

1. HIGH STRENGTH SAFETY HOOK

- Above 5-times safety

2. SAFETY CHAIN

- Fall prevention feature

3. SPRING FRACTURE SAFEGUARD

- Starting at 3 kg

4. SHOCK PROOF DESIGN

- Extra impact resistant housing

5. CONFORMITY & SAFETY

- CE, GS-certified (tested for safety)

6. SCREW TYPE SNAP HOOK

- Safe load attachment

TECHNICAL SPECIFICATIONS

TYPE	7228	7230 7231	7235 7236	7241	7245	7248	7251	7261
Load Range (kg)	0.4-6.5	3.0-21.0	15.0-55.0	12.0-55.0	55.0-125.0	12.0-100	15.0-100.0	100.0-200.0
Cable Travel (m)	1.6	2.0	2.0	2.0	1.8	2.0	3.0	3.0

FURTHER FEATURES

RATCHET LOCK (OPTIONAL)

The ratchet lock automatically locks the retracting cable in set positions when the load moves back slowly, while remaining inactive if moved quickly.This offers a key ergonomic advantage for certain applications.

PATENTED FREEWHEEL DEVICE

Our patented freewheel feature protects against adjustment errors in balancer models 7241, 7248, 7251, and 7261 by preventing over rotation in the “minus” direction, safeguarding the spring from damage and preventing fractures when releasing it.

All our products are meticulously manufactured in-house using advanced facilities for design, machining, casting, assembly, welding and surface treatment. Electrical components are sourced from CE-certified suppliers and final products undergo ISO quality testing before delivery.

CARL STAHL CRAFTSMAN ENTERPRISES PRIVATE LIMITED.

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