

# HOW TO CHOOSE THE RIGHT PRODUCT IN 3 STEPS

SPRING BALANCER | ZERO-GRAVITY BALANCER | POSITIONER

**Carl Stahl**  
KROMER

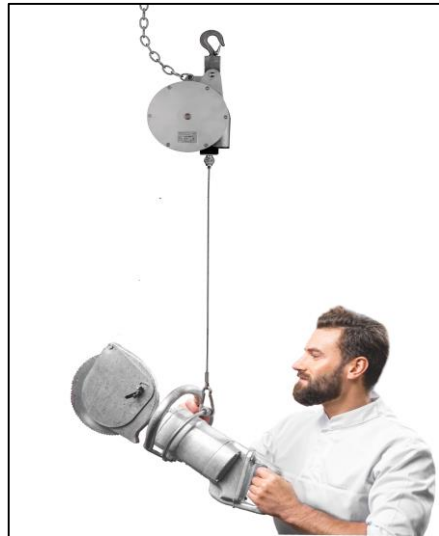
PREMIUM QUALITY  
  
MADE IN GERMANY

**DIN**  
15112



# Introduction

Ergonomics is primarily aimed at creating a workplace that allows the best possible adaptation of people and work. On the one hand, this clearly has health implications, but also plays a major role in terms of the profitability of a company. So at the end ergonomics is not only in the interests of the employee, but also the employer.



In order to help you to find the right product for your individual application, we have put together a short guide.

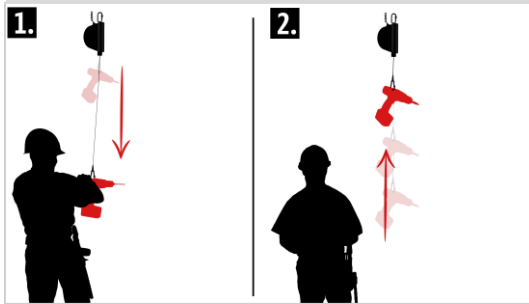
**Find the right product  
within 3 steps**



# STEP 1

**Task:** Figure out which product function suits best for your workplace or ask yourself, which product function can help you to further optimize your workflow in production and assembly. **You have 3 options:**

## 1. Spring Balancer:



Facts:

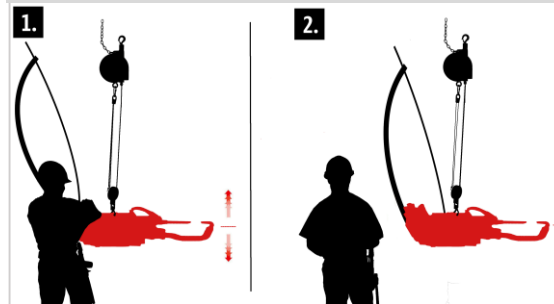
- Load range: 0-14 kg
- Increasing retraction force
- Retracts the attached load to its initial position.

### Common applications:



GLUE GUNS SCREWDRIVER SCANNER NAIL GUNS AIR GUNS

## 2. Zero-gravity Balancer:



Facts:

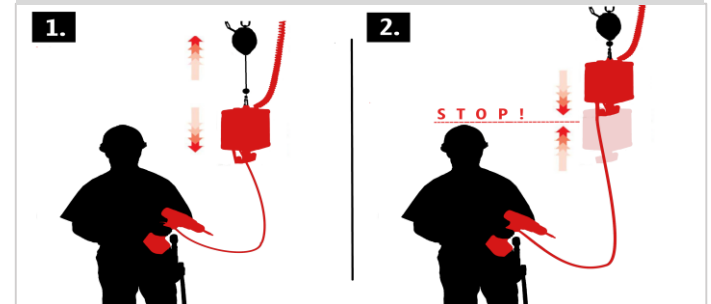
- Load range: 0.4 – 300 kg
- Constant retraction force
- Holds the attached load in the chosen position

### Common applications:



WELDING GUNS SAWS FOR MEAT INDUSTRY MULTIPLE SCREWDRIVER SWIVLE ARMS

## 3. Positioner:



Facts:

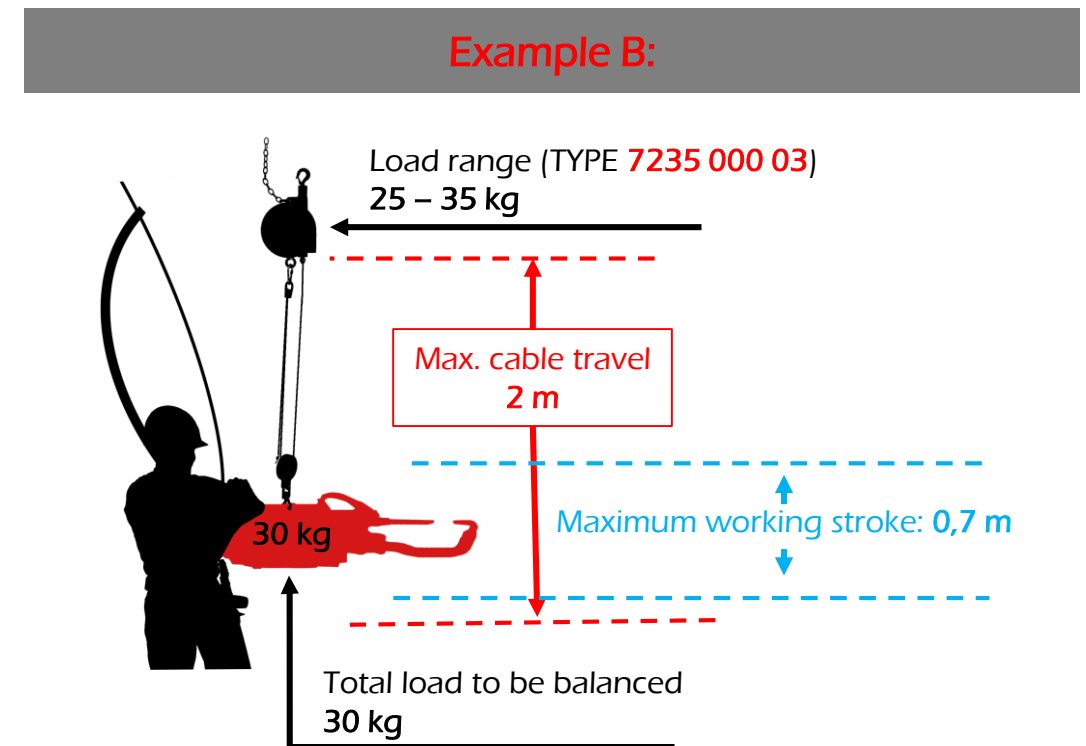
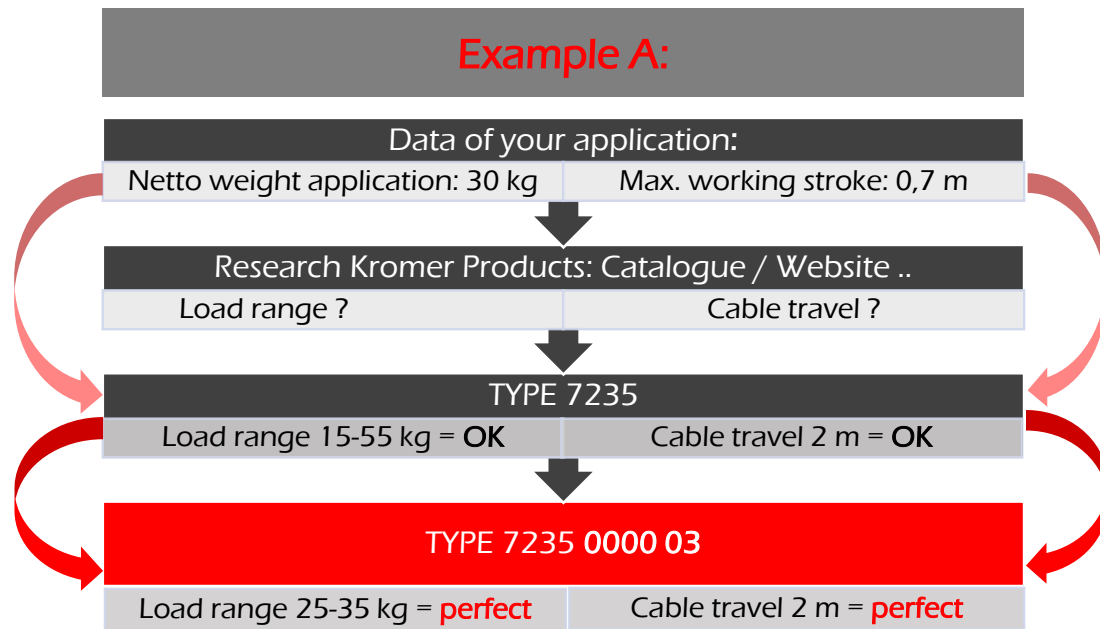
- Load range: 0.5 – 7 kg
- Constant brake force
- Holds the attached load in the chosen position, even within load weight changes

### Common applications:



Assembly table with height adjustable lights Hose packages for Robots and other machines Energy cube / Supply units

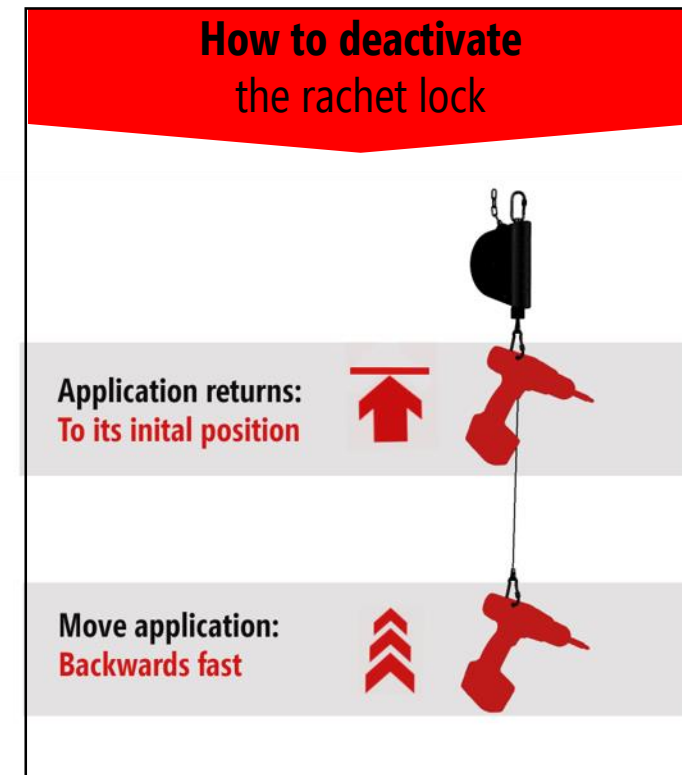
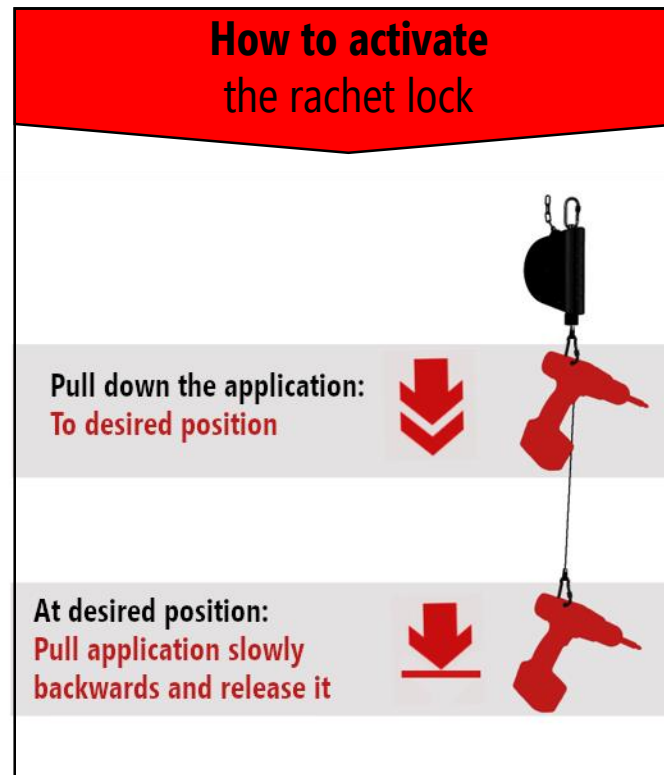
**Task:** Make sure, that the load to be balanced is within the load range of the product, while the working stroke should match the maximum cable travel range. Following two examples for a better understanding:



**Task:** The Ratchet Lock can be very useful for some workplaces to further optimize the workflow. Learn about this product feature and think about how it can help your employee to perform even better.

### Explained: Ratchet Lock

The ratchet lock is an automatic arresting mechanism that locks the retracting cable in predetermined positions. It is automatically activated if the working load is moved back slowly. If pushed back fast, the mechanism remains inactive. This represents a significant ergonomic improvement for some applications, for example if it is impractical to return the suspended tool fully to its initial position between jobs or working steps. The ratchet lock feature is available for various spring balancers and zero gravity balancers. Please refer to the corresponding product descriptions. Ratchet lock is available for every type.



# Find the right product now:

You have **3 options** to explore our product range and find the right product for your application:



# Do you already know about...

**Carl Stahl**  
KROMER



Your application does not match to our product range? **Contact us!**

With over 100 years of know how in the development and manufacture of spring balancer, we are your highly competent and reliable partner when it comes to ergonomic solutions with spring balancers. Within our in-house construction we are able to develop customized solutions. We look forward to start a new project with you !

**Let's work together !**



You want to learn more about spring balancers? **Learn from our experts!**

We are happy to pass on our great knowledge and believe that because of that, we can generate growth on both sides. Learn how to maintain Kromer products quickly and safely in order to reduce cost or get to know the main benefits of our products and how to argue confidently and conclusively in our sales training.

**Learn more...**



See useful spring balancer tutorials on our YouTube!

As soon as you found the right product for your application, the next step is the correct installation and adjustment of the spring balancers. For this, we have created helpful video tutorials. Just go to YouTube and search for Carl Stahl Kromer.

**Video Tutorials**

If you would like a personal consultation instead of the video tutorials, [just contact us](#), we are gladly to help you personally.

# Carl Stahl

KROMER

---

Carl Stahl Kromer GmbH

Nägelseestraße 37

79288 Gottenheim

Germany

[kromer@carlstahl.com](mailto:kromer@carlstahl.com)

[www.carlstahlkromer.com](http://www.carlstahlkromer.com)

