



# SPRING BALANCER/ ZERO GRAVITY BALANCER **RUST-FREE EDITION**

**CONTENT**  
BENEFITS  
PRODUCTS

**Carl Stahl**  
KROMER

# PRODUCTS

We produce our spring pullers and balancers according to the highest quality standards. They are characterized by their extraordinary longevity and precision and are exemplary examples of the value concept "Made in Germany".

All cables are tested long-term, meet the requirements of DIN 15112 and bear the GS mark for tested safety. In addition, they comply with the CE guidelines.

PREMIUM QUALITY

MADE IN GERMANY

## EXTRA FEATURES

### FOR MORE SAFETY

#### SAFETY EXPANSION CHAIN

maximum fall distance 10 cm

#### HIGH-STRENGTH SAFETY HOOK

#### SPRING FRACTURE SAFEGUARD

- Load range > 3 kg
- In case of spring brake, drum gets blocked by the housing
- Maximum fall distance of the load is 10 cm

#### HIGH STRENGTH ALUMINUM ALLOY HOUSING

#### CABLE STOP BUFFER

#### STAINLESS STEEL CABLE

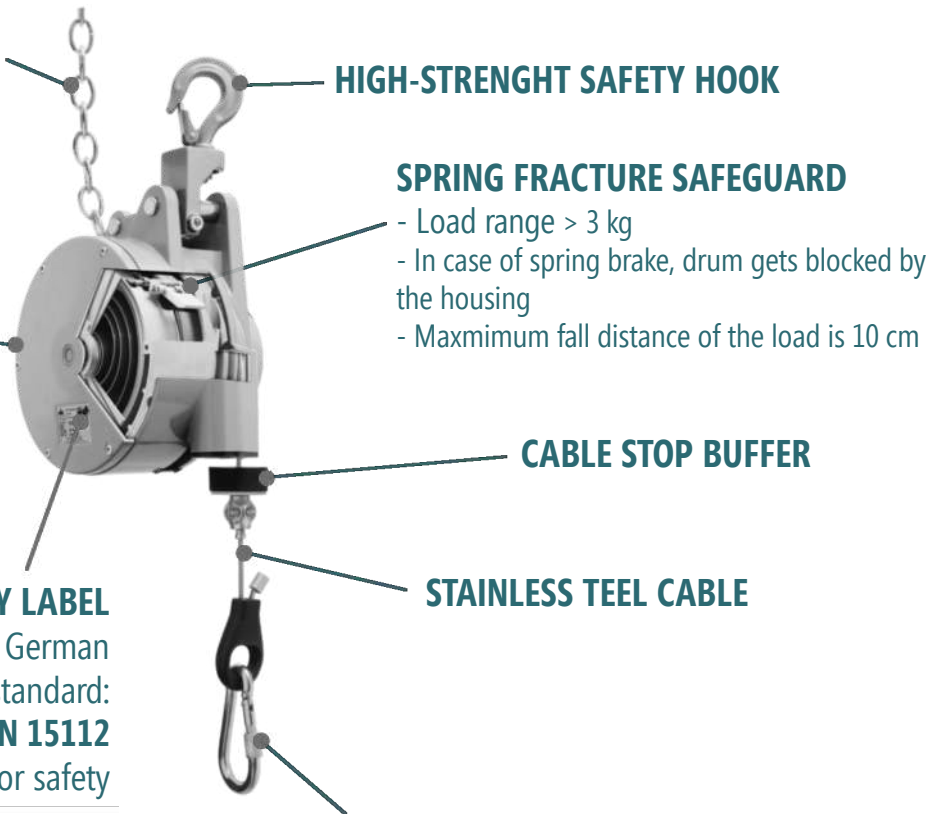
#### TESTED SECURITY LABEL

Comply with the stringent German industry standard:

- **DIN 15112**

- **GS-mark** - tested for safety

#### Screw type snap hook



# PRODUCTS

## TYPE 7200

LIGHT-DUTY Spring Balancer

LOAD RANGE 0.0 – 2.5 kg

- Housing:** Impact- and abrasion-resistant plasti, reddish orange
- Cable drum:** Abrasion-resistant plastic
- Cable:** High-strength stainless steel cable with elastic cable stop buffer
- Spring:** Light-duty spring hook for load suspension,  
High-strength special suspension spring, Easy load setting
- Special features:** Longer cable available on request  
Version with spiral hose available  
Food Grade Grease
- Safety features:** Tested for safety ("GS" label)  
Fully assembled unit  
Rigid housing  
Insulated suspension  
With safety chain as a standard feature
- Working ranges:**
- Cable extension: 1.6 m
- Cable stop buffer: continuously adjustable



Article ID	Load Range (kg)	Cable Travel (m)	Dead Weight (kg)
7200 0800 00	0.0 - 0.5	1.6	0.4
7200 0800 01	0.3 - 1.5	1.6	0.5
7200 0800 02	1.2 – 2.5	1.6	0.6



# PRODUCTS

## TYPE 7211/7212

### LIGHT-DUTY Spring Balancer

LOAD RANGE 0.5 – 3 kg

- Housing:** Impact- and abrasion-resistant plasti, reddish orange
- Cable drum:** Abrasion-resistant plastic
- Cable:** High-strength **stainless steel cable** with elastic cable stop buffer  
Light-duty spring hook for load suspension,
- Spring:** High-strength special suspension spring,easy load setting
- Special features:** Longer cable available on request  
Version with spiral hose available
- Food Grade Grease**
- Safety features:** Tested for safety ("GS" label)  
Fully assembled unit  
Rigid housing  
Insulated suspension  
With safety chain as a standard feature
- Working ranges:**
- Cable extension: 1.6 m  
Cable stop buffer: continuously adjustable

- Working ranges:**
- Cable extension: 2.5 m  
Cable stop buffer: continuously adjustable

#### Ratchet Lock:

This automatic arresting mechanism allows the load to be suspended in a predefined position if moved back at a lower speed.



Article ID	Load Range (kg)	Cable Travel (m)	Ratchet Lock	Dead Weight (kg)
7211 0800 01	0.5 – 2.0	2.5	No	0.8
7211 0800 02	1.5 – 3.0	2.5	No	0.8
7212 0800 01	0.5 – 2.0	2.5	Yes	0.9
7212 0800 02	1.5 – 3.0	2.5	Yes	0.9

# PRODUCTS

## TYPE 7221/7222

MEDIUM-DUTY Spring Balancer

LOAD RANGE 2 - 14 kg

- Suspension:** Rotary screw-type spring hook
- Housing:** Impact- and abrasion-resistant plastic  
Reddish orange
- Cable drum:** Abrasion-resistant plastic
- Cable:** High-strength **stainless steel cable** with elastic cablestop buffer  
screw-type spring hook for load suspension  
Cable can be continuously adjusted lengthwise via a cable wedge  
Longer cable available on request
- Spring:** High-strength, banded special suspension spring,  
Load continuously adjustable
- Special features:** Version 7222 with ratchet lock  
Longer cable available  
Version with spiral hose available
- Food Grade Grease**
- Safety features:** Tested for safety ("GS" label)  
Very ridged housing  
Screw-type spring hook as insulated suspension / swiveling and rotatable  
Ferrule for securing the cable end  
Spring fracture safeguard and safety chain as standard features  
Cable drum lockable

### Working ranges:

- Cable extension: 3.0 m  
Cable stop buffer: continuously adjustable

### Ratchet Lock:

This automatic arresting mechanism allows the load to be suspended in a predefined position if moved back at a lower speed.



Article ID	Load Range (kg)	Cable Travel (m)	Ratchet Lock	Dead Weight (kg)
7221 0800 01	2.0 - 5.0	3.0	No	3.3
7221 0800 02	4.0 - 8.0	3.0	No	3.7
7221 0800 03	7.0 - 10.0	3.0	No	3.7
7221 0800 04	10.0 - 14.0	3.0	No	3.9
7222 0800 01	2.0 - 5.0	3.0	Yes	3.5
7222 0800 02	4.0 - 8.0	3.0	Yes	3.8
7222 0800 03	7.0 - 10.0	3.0	Yes	3.8
7222 0800 04	10.0 - 14.0	3.0	Yes	4.0

# PRODUCTS

## TYPE 7230/7231

### MEDIUM-DUTY Zero Gravity Balancer

LOAD RANGE 3 - 21 kg

- Suspension:** Safety hook (freely rotatable and swiveling)
- Housing:** Impact- and abrasion-resistant plastic  
Reddish orange
- Cable drum:** Abrasion-resistant plastic
- Cable:** High-strength **stainless steel cable** with elastic cable stop buffer  
Screw-type spring hook for load suspension  
Cable can be continuously adjusted lengthwise via a cable wedge  
Lift or working range can be continuously adjusted (reduced) in addition via a cable clamp
- Spring:** High-strength and riveted special suspension spring  
Continuously load adjustment via endless screw
- Special features:** Version 7231 with ratchet lock  
Longer cable available
- Safety features:** **Food Grade Grease**  
Tested for safety ("GS" label)  
Very ridged housing  
Highly impact-resistant housing  
Safety hook for insulated suspension  
Safety hook freely rotatable and swiveling  
Screw-type spring hook for load suspension  
Fall protection through safety chain  
Spring fracture safeguard  
Integrated drum lock

#### Working ranges:

- Cable extension: 2.0 m
- Cable stop buffer: continuously adjustable

#### Ratchet Lock:

This automatic arresting mechanism allows the load to be suspended in a predefined position if moved back at a lower speed.



Article ID	Load Range (kg)	Cable Travel (m)	Ratchet Lock	Dead Weight (kg)
7230 0000 01	3.0 - 5.0	2.0	No	2.9
7230 0000 02	4.5 - 7.0	2.0	No	3.1
7230 0000 03	6.0 - 10.0	2.0	No	3.2
7230 0000 04	9.0 - 14.0	2.0	No	3.4
7230 0000 05	13.0 - 17.0	2.0	No	3.6
7230 0000 06	16.0 - 21.0	2.0	No	3.8
7231 0000 01	3.0 - 5.0	2.0	Yes	3.1
7231 0000 02	4.5 - 7.0	2.0	Yes	3.3
7231 0000 03	6.0 - 10.0	2.0	Yes	3.4
7231 0000 04	9.0 - 14.0	2.0	Yes	3.6
7231 0000 05	13.0 - 17.0	2.0	Yes	3.8
7231 0000 06	16.0 - 21.0	2.0	Yes	4.0



# PRODUCTS

## TYPE 7235/7236

MEDIUM-DUTY Zero Gravity Balancer

LOAD RANGE 15 – 55 kg

<b>Suspension:</b>	Screw-type safety hook Freely rotatable and swiveling
<b>Housing:</b>	High-strength Sand-Cast aluminum / silver
<b>Cable drum:</b>	High-strength Sand-Cast aluminum
<b>Cable:</b>	High-strength stainless steel cable with elastic cable stop buffer Screw-type spring hook for load suspension Lift or working range can be continuously adjusted (reduced) in addition via a cable clamp
<b>Spring:</b>	High-strength and riveted special suspension spring Continuously load adjustment via endless screw
<b>Special features:</b>	Version 7236 with ratchet lock Longer cable available Food Grade Grease
<b>Safety features:</b>	Tested for safety ("GS" label) Very ridged housing Highly impact-resistant housing Screw-type safety hook (freely rotatable and swiveling) Screw-type spring hook for load suspension Fall protection through safety chain Spring fracture safeguard Integrated drum lock

### Working ranges:

Cable extension: 2.0 m

Cable stop buffer: continuously adjustable

### Ratchet Lock:

This automatic arresting mechanism allows the load to be suspended in a predefined position if moved back at a lower speed.



Article ID	Load Range (kg)	Cable Travel (m)	Ratchet Lock	Dead Weight (kg)
7235 0000 01	15.0 - 25.0	2.0	No	7.80
7235 0000 02	25.0 - 35.0	2.0	No	8.90
7235 0000 03	35.0 - 45.0	2.0	No	9.50
7235 0000 04	45.0 - 55.0	2.0	No	9.75
7236 0000 01	15.0 - 25.0	2.0	Yes	8.90
7236 0000 02	25.0 - 35.0	2.0	Yes	10.00
7236 0000 03	35.0 - 45.0	2.0	Yes	10.60
7236 0000 04	45.0 - 55.0	2.0	Yes	10.85

# PRODUCTS

## TYPE 7241

HEAVY-DUTY Zero Gravity Balancer  
LOAD RANGE 12 – 100 kg

- Suspension:** Safety hook  
Freely rotatable and swiveling  
Positionable
- Housing:** High-strength  
Die-cast aluminium
- Housing cover:** High-strength  
Die-cast aluminium
- Cable drum:** High-strength  
Die-cast aluminium
- Cable:** High-strength stainless steel cable with elastic cable stop buffer  
Screw-type spring hook for load suspension  
Lift or working range can be continuously adjusted  
Cable continuously adjustable in length via cable wedge
- Spring:** High-strength special suspension spring  
Encapsulated and riveted spring
- Special features:** Longer cable available  
Optionally with manual drum lock  
Food Grade Grease
- Type of bearing:** Ball bearings  
Closed on both sides

- Safety features:** Tested for safety ("GS" label)  
Very ridged housing  
Highly impact-resistant aluminum housing  
Safety hook, freely rotatable and swiveling  
Overload protection due to cable extension limit stop  
Screw-type spring hook for load suspension  
Fall protection through safety expansion chain  
Spring fracture safeguard  
Integrated drum lock  
Ferrule for securing cable end  
Freewheel device for protection against handling errors

### Working ranges:

- Cable extension: 2.0 m
- Cable stop buffer: continuously adjustable

### Ratchet Lock:

This automatic arresting mechanism allows the load to be suspended in a predefined position if moved back at a lower speed.



Article ID	Load Range (kg)	Cable Travel (m)	Drum Lock	Dead Weight (kg)
7241 0800 01	12-20	2.0	No	14.8
7241 0800 02	20-30	2.0	No	15.2
7241 0800 03	30-45	2.0	No	16.9
7241 0800 04	45-60	2.0	No	17.3
7236 0000 05	60-75	2.0	No	18.7
7241 0800 06	75-90	2.0	No	19.7
7241 0800 07	90-100	2.0	No	19.9
7241 0800 81	12-20	2.0	Yes	15.0
7241 0800 82	20-30	2.0	Yes	15.4
7241 0800 83	30-45	2.0	Yes	17.1
7241 0800 84	45-60	2.0	Yes	17.5
7241 0800 85	60-75	2.0	Yes	18.9
7241 0800 86	75-90	2.0	Yes	19.9
7241 0800 87	90-100	2.0	Yes	21.1



# PRODUCTS

## TYPE 7251

HEAVY-DUTY Zero Gravity Balancer

LOAD RANGE 15 – 200 kg

<b>Suspension:</b>	Safety hook Freely rotatable and swiveling Positionable	<b>Safety features:</b>	Tested for safety ("GS" label) Very ridged housing Highly impact-resistant aluminum housing Safety hook, freely rotatable and swiveling Overload protection due to cable extension limit stop Screw-type spring hook for load suspension Fall protection through safety expansion chain Spring fracture safeguard Integrated drum lock
<b>Housing:</b>	High-strength Sand-cast aluminum		Ferrule for securing cable end Freewheel device for protection against handling errors
<b>Housing cover:</b>	High-strength Sand-cast aluminum		
<b>Cable drum:</b>	High-strength Sand-cast aluminum		
<b>Cable:</b>	High-strength stainless steel cable with elastic cable stop buffer Screw-type spring hook for load suspension Lift or working range can be continuously adjusted Cable continuously adjustable in length via cable wedge		
<b>Spring:</b>	High-strength special suspension spring Encapsulated and riveted spring		
<b>Special features:</b>	Longer cable available Food Grade Grease		

### Working ranges:

Cable extension: 3.0 m

Cable stop buffer: continuously adjustable



Article ID	Load Range (kg)	Cable Travel (m)	Dead Weight (kg)
7251 0800 01	15 - 25	3.0	25.0
7251 0800 02	25 - 35	3.0	26.0
7251 0800 03	35 - 50	3.0	27.0
7251 0800 04	50 - 65	3.0	28.0
7251 0800 05	66.5 - 80	3.0	29.0
7251 0800 06	80 - 90	3.0	30.0
7251 0800 07	90 - 100	3.0	32.0
7251 0800 08	100 - 115	3.0	41.8
7251 0800 09	115 - 130	3.0	43.2
7251 0800 10	130 - 140	3.0	44.6
7251 0800 11	140 - 150	3.0	46.0
7251 0800 12	150 - 170	3.0	46.4
7251 0800 13	170 - 180	3.0	46.7
7251 0800 14	180 - 190	3.0	47.0
7251 0800 15	190 - 200	3.0	47.3

