

# ENDO SPRING BALANCERS

SMALL CAPACITIES (0.3 – 6.0 kg)



ERM SERIES RETRACTOR  
ERP SERIES SPRING BALANCERS  
AIR TOOL BALANCERS

## ERM SERIES RETRACTOR

### Applications

- ✓ Used in engineering, manufacturing, abattoirs, process lines and job shops.
- ✓ This retractor suspends small tools and equipment by spring tension.



### Features

- ✓ Comes with long stroke so that it can be installed at high places. Maximum stroke up to 3.5 meters.
- ✓ The ratchet stopper device can be turned on or off according to your requirement.
- ✓ Easy and safe tension adjustment.
- ✓ Convenient and detachable top hook.
- ✓ Equipped with mounting holes to attach to other devices.

Capacity Min (kg)	Part No.	Model	Wire rope travel (m)	Weight (kg)
1.0-2.0	44271	ERM-2	3.5	1.8
2.0-4.0	44272	ERM-4	3.5	2.0
4.0-6.0	44273	ERM-6	2.5	2.0

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# Spring Balancers

## ERP SERIES SPRING BALANCERS

### Applications

- ✔ Used in engineering, manufacturing, abattoirs, process line and job shops.
- ✔ Suspension of electric or pneumatic power tools, or for hanging tools, parts or welding equipment at workstations or assembly lines.



### Features

- ✔ Strong, lightweight aluminium body.
- ✔ Easy maintenance with interchangeable kit parts.
- ✔ Tapered drum for exact torque retraction across the full stroke.
- ✔ Handle system spring adjustment.

Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Stroke (m)	Weight (kg)
0.3	0.6	43997	ERP-06	1.5	0.4
1.0	2.0	45506	ERP-02	1.5	0.4

## AIR TOOL BALANCERS

Air Tool balancers perform the function of both hose reel and balancer.

### Applications

- ✔ Used in engineering, manufacturing, abattoirs, process line and job shops.
- ✔ Suspension of air tools.



### Features

- ✔ Strong acrylonitrile plastic body.
- ✔ Tough urethane hose.
- ✔ Easy maintenance with interchangeable kit parts.
- ✔ Ratchet system spring adjustment.

Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Hose Travel (m)	Weight (kg)
0.5	1.5	43351	ATB-0	1.3	1.6
1.5	3.0	43352	ATB-1	1.3	1.7

# ENDO SPRING BALANCERS

## SMALL CAPACITIES (0.5 – 5.0 kg)



EK SERIES SPRING BALANCERS  
 EW SERIES SPRING BALANCERS  
 EWS SERIES SPRING BALANCERS

## EK SERIES SPRING BALANCERS

### Applications

- ✓ Used in engineering, manufacturing, abattoirs, process lines and job shops.
- ✓ Suspension of electric or pneumatic power tools, or for hanging tools, parts or welding equipment at workstations or assembly lines.

### Features

- ✓ Strong, lightweight aluminium body.
- ✓ Easy maintenance with interchangeable kit parts.
- ✓ Tapered drum for exact torque retraction across the full stroke.
- ✓ Ratchet system spring adjustment.
- ✓ Strong steel cable.



Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Stroke (m)	Weight (kg)
0.5	1.5	43335	EK-00	0.5	0.2
0.5	1.5	43334	EK-0	1.0	0.5

# Spring Balancers

## EW SERIES SPRING BALANCERS

### Applications

- ✔ Used in engineering, manufacturing, abattoirs, process lines and job shops.
- ✔ Suspension of electric or pneumatic power tools, or for hanging tools, parts or welding equipment at workstations or assembly lines.



### Features

- ✔ Strong, lightweight aluminium body.
- ✔ Heavy duty top and bottom hook.
- ✔ Easy maintenance with interchangeable kit parts.
- ✔ Tapered drum for exact torque retraction across the full stroke.
- ✔ Ratchet system spring adjustment.
- ✔ Strong steel cable.

Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Stroke (m)	Weight (kg)
1.0	3.0	47885	EW-3	1.3	1.4
2.5	5.0	47886	EW-5	1.3	1.5

## EWS SERIES SPRING BALANCERS

### Applications

- ✔ Used in engineering, manufacturing, abattoirs, process lines and job shops.
- ✔ Suspension of electric or pneumatic power tools, or for hanging tools, parts or welding equipment at workstations or assembly lines.



### Features

- ✔ Strong lightweight aluminium body.
- ✔ Heavy duty top and bottom hook.
- ✔ Easy maintenance with interchangeable kit parts.
- ✔ Tapered drum for exact torque retraction across the full stroke.
- ✔ Fall arrest and drum lock device.
- ✔ Worm gear spring adjustment.
- ✔ Strong steel cable.

Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Hose Travel (m)	Weight (kg)
1.5	3.0	45352	EWS-3	1.3	1.4
3.0	5.0	45353	EWS-5	1.3	1.5
5.0	7.0	45360	EWS-7	1.3	2.1

# ENDO SPRING BALANCERS

## LARGE CAPACITIES (1.5 – 105 kg)



EWF SERIES SPRING BALANCERS  
ELF SERIES SPRING BALANCERS

## EWF SERIES SPRING BALANCERS

### Applications

- ✓ Used in engineering, manufacturing, abattoirs, process lines and job shops.
- ✓ Suspension of electric or pneumatic power tools, or for hanging tools, parts or welding equipment at workstations or assembly lines

### Features

- ✓ Strong, lightweight aluminium body.
- ✓ Heavy duty top and bottom hook.
- ✓ Tapered drum for exact torque retraction across the full stroke.
- ✓ 'Anti Snap Back' models available.
- ✓ Gauge for determining load.
- ✓ Cartridge spring assembly.
- ✓ Fall arrest and drum lock device.
- ✓ Worm gear spring adjustment.



Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Stroke (m)	Weight (kg)
4.5	9	44263	EWF-9	1.3	3.5
9	15	44264	EWF-15	1.3	3.8
15	22	44265	EWF-22	1.5	7.0
22	30	44266	EWF-30	1.5	7.6
30	40	44267	EWF-40	1.5	9.8
40	50	44268	EWF-50	1.5	10.2
50	60	44269	EWF-60	1.5	11.6
60	70	44270	EWF-70	1.5	11.9
70	90	44451	EWF-90	2.0	21.9
85	105	44452	EWF-105	2.0	24.0

Capacity: 4.5 – 105 kg

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# Spring Balancers

## ELF SERIES SPRING BALANCERS

### Applications

- ✓ Used in engineering, manufacturing, abattoirs, process lines and job shops
- ✓ Ideal for applications for balancers that require a longer stroke.

### Features

- ✓ Strong lightweight aluminium body (most models).
- ✓ Multiple different cable lengths.
- ✓ Heavy duty top and bottom hook.
- ✓ Tapered drum for exact torque retraction across the full stroke.
- ✓ Fall arrest and drum lock device.
- ✓ Worm gear spring adjustment.
- ✓ Gauge for determining load.
- ✓ Cartridge spring assembly (models ELF-15 to ELF-70 only).



Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Stroke (m)	Weight (kg)
1.5	3.0	45508	ELF-3	2.5	4.1
3.0	5.0	45509	ELF-5	2.5	4.2
5.0	9.0	45510	ELF-9	2.5	4.7
9.0	15.0	45794	ELF-15	2.5	10.0
15.0	22.0	45795	ELF-22	2.5	10.2
22.0	30.0	45796	ELF-30	2.5	11.0
30.0	40.0	45797	ELF-40	2.5	14.0
40.0	50.0	45798	ELF-50	2.5	14.5
50.0	60.0	45799	ELF-60	2.5	17.0
60.0	70.0	45800	ELF-70	2.5	18.1

Capacity: 1.5 – 70 kg

### Applications



# X SERIES ENDO SPRING BALANCERS (FOOD GRADE)



## X SERIES ENDO SPRING BALANCERS (FOOD GRADE)

### Applications

- ✔ Used in food processing, dairy, pharmaceutical
- ✔ Ideal for applications for balancers that require a longer stroke

### Features

- ✔ No painting and SUS parts and food grease on spring
- ✔ Unpainted casing and cover
- ✔ Zinc plated upper hook
- ✔ Stainless steel Rivet
- ✔ Stainless steel rope
- ✔ Stainless steel lower hook
- ✔ Zinc plated pin
- ✔ Stainless steel plug, steel bolts and screws

**Capacity:** 1 – 120 kg

## Spring Balancers

# X SERIES ENDO SPRING BALANCERS (FOOD GRADE)



## Specifications

Capacity Min (kg)	Capacity Max (kg)	Part No.	Model	Stroke (m)	Weight (kg)
1.0	3.0	40167	EW-3X	1.3	1.4
2.5	5.0	40168	EW-5X	1.3	1.5
1.5	3.0	40169	EWS-3X	1.3	1.9
3.0	5.0	40170	EWS-5X	1.3	2.1
5.0	7.0	40171	EWS-7X	1.3	2.1
4.5	9.0	40172	EW-9X	1.3	3.5
9.0	15.0	40173	EW-15X	1.3	3.8
15.0	22.0	40174	EW-22X	1.5	7.3
22.0	30.0	40175	EW-30X	1.5	7.7
30.0	40.0	40176	EW-40X	1.5	9.7
40.0	50.0	40177	EW-50X	1.5	10.1
60.0	70.0	40189	EW-70X	1.5	11.4
70.0	90.0	40191	EW-90X	2	21.9
85.0	105	40193	EW-105X	2	24
100	120	40195	EW-120X	2	27.5
1.5	3.0	40198	ELF-3X	2.5	4.6
3.0	5.0	40200	ELF-5X	2.5	4.8
5.0	9.0	40207	ELF-9X	2.5	5.4
9.0	15.0	40208	ELF-15X	2.5	10.0
15.0	22.0	45786	ELF-22X	2.5	10.2
22.0	30.0	40510	ELF-30X	2.5	11.0
30.0	40.0	45787	ELF-40X	2.5	14.0
40.0	50.0	45788	ELF-50X	2.5	14.5
50.0	60.0	45789	ELF-60X	2.5	17.1
60.0	70.0	45790	ELF-70X	2.5	18.0