



> SPRING BALANCERS

SMALL CAPACITIES SPRING BALANCERS

- ERM SERIES TORQUE REELS
- ERP SERIES SPRING BALANCERS
- AIR TOOL BALANCERS

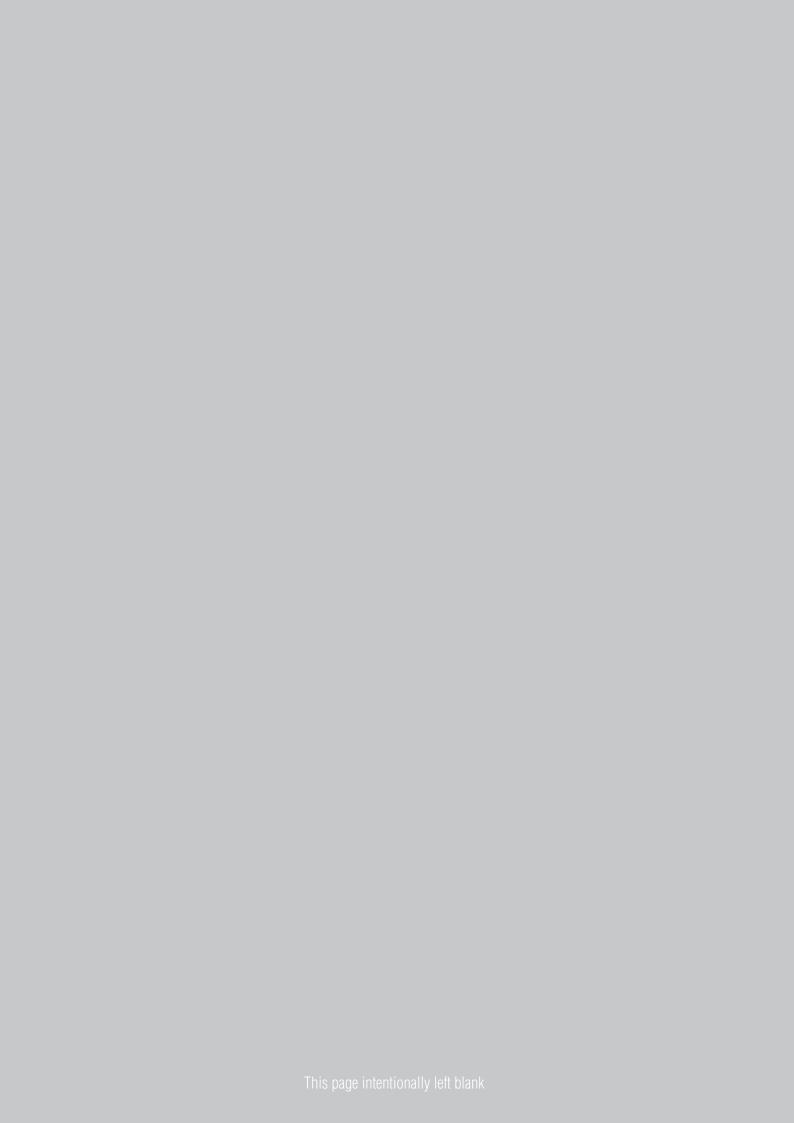
SMALL CAPACITIES SPRING BALANCERS

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

LARGE CAPACITIES SPRING BALANCERS

- ELF SERIES SPRING BALANCERS
- EWF SERIES SPRING BALANCERS

X SERIES SPRING BALANCERS (FOOD GRADE)







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

- Ocomes 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.
- Onvenient 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

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 plactic 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



Premium Quality Products

For more information:

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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

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



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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 Mi (kg)	Capacity Ma (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

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: 1.5 - 70 kg



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

Applications







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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

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	EWF-9X	1.3	3.5
9.0	15.0	40173	EWF-15X	1.3	3.8
15.0	22.0	40174	EWF-22X	1.5	7.3
22.0	30.0	40175	EWF-30X	1.5	7.7
30.0	40.0	40176	EWF-40X	1.5	9.7
40.0	50.0	40177	EWF-50X	1.5	10.1
60.0	70.0	40189	EWF-70X	1.5	11.4
70.0	90.0	40191	EWF-90X	2	21.9
85.0	105	40193	EWF-105X	2	24
100	120	40195	EWF-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



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