

Long stroke **ELF**

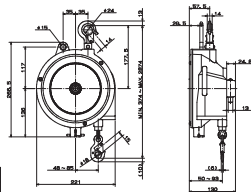
ELF series are available for high ceiling application.

ELF-3/5/9

Long stroke

FUNCTION

- Plug type cable set
- Full arrest device
- Drum lock device
- Worm gear spring adjustment
- CE Mark available



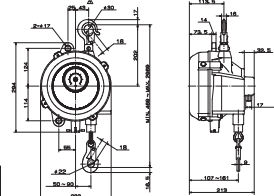
Model	Capacity(kg)	Stroke(m)	Cable dia(mm)	Mass(kg)
ELF-3	1.5-3.0	2.5	3.0	4.6
ELF-5	3.0-5.0	2.5	3.0	4.8
ELF-9	5.0-9.0	2.5	3.0	5.4

ELF-15/22/30

Long stroke

FUNCTION

- Gauge
- Cartridge spring assembly
- Plug type cable set
- Full arrest device
- Drum lock device
- Worm gear spring adjustment
- CE Mark available



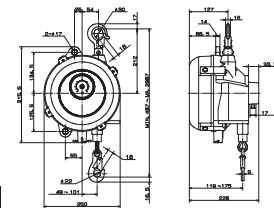
Model	Capacity(kg)	Stroke(m)	Cable dia(mm)	Mass(kg)
ELF-15	9.0-15.0	2.5	4.76	10.0
ELF-22	15.0-22.0	2.5	4.76	10.2
ELF-30	22.0-30.0	2.5	4.76	11.0

ELF-40/50

Long stroke

FUNCTION

- Gauge
- Cartridge spring assembly
- Plug type cable set
- Full arrest device
- Drum lock device
- Worm gear spring adjustment
- CE Mark available



Model	Capacity(kg)	Stroke(m)	Cable dia(mm)	Mass(kg)
ELF-40	30.0-40.0	2.5	4.76	14.0
ELF-50	40.0-50.0	2.5	4.76	14.5

Selection of suitable model

Always use a suitable model meeting the total weight of suspended tool or instrument.
The balancer should be selected considering the weight of the tool and accessories.

Installation

- Install Spring balancers uneven not to hit each other when the balancers are installed in a line.
- Always employ a secondary support chain and leave the slack for smooth install.
- Always adjust the spring tension to meet the total weight of tool and the application.

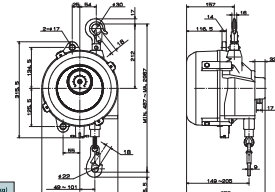
With Ratchet **RSB**

ELF-60/70

Long stroke

FUNCTION

- Gauge
- Cartridge spring assembly
- Plug type cable set
- Full arrest device
- Drum lock device
- Worm gear spring adjustment
- CE Mark available



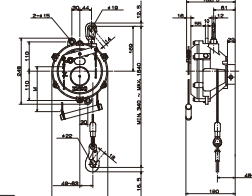
Model	Capacity(kg)	Stroke(m)	Cable dia(mm)	Mass(kg)
ELF-60	50.0-60.0	2.5	4.76	17.1
ELF-70	60.0-70.0	2.5	4.76	18.0

RSB-15

With Ratchet

FUNCTION

- Ratchet device
- Full arrest device
- Worm gear spring adjustment



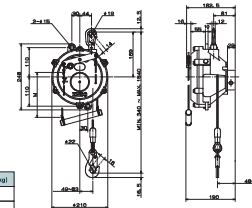
Model	Capacity(kg)	Stroke(m)	Cable dia(mm)	Mass(kg)
RSB-15	9.0-15.0	1.5	5.0	7.4

RSB-22/30/40

With Ratchet

FUNCTION

- Gauge
- Ratchet device
- Full arrest device
- Worm gear spring adjustment



Model	Capacity(kg)	Stroke(m)	Cable dia(mm)	Mass(kg)
RSB-22	15.0-22.0	1.5	5.0	7.7
RSB-30	22.0-30.0	1.5	5.0	8.1
RSB-40	30.0-40.0	1.5	5.0	8.5

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Installation

- Install Spring balancers uneven not to hit each other when the balancers are installed in a line.
- Always employ a secondary support chain and leave the slack for smooth install.
- Always adjust the spring tension to meet the total weight of tool and the application.