

# ENDO SELF LOCKS

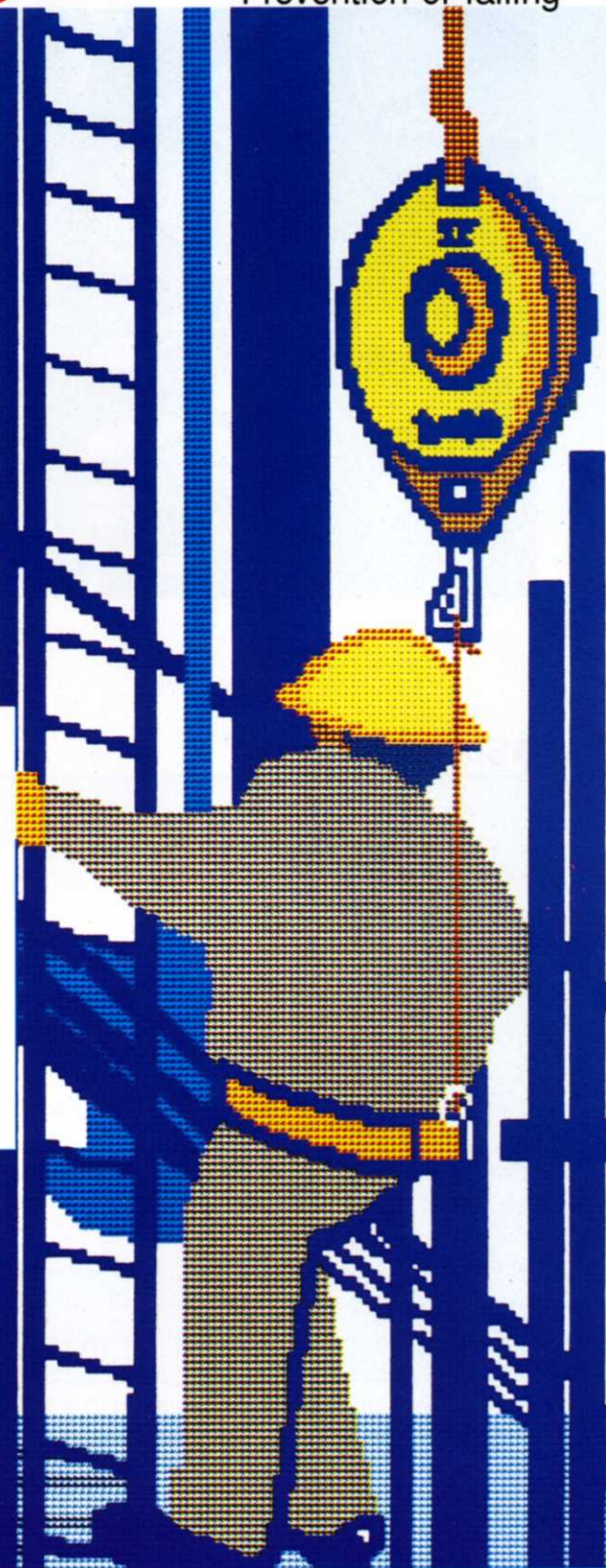


CERT No.Q10458

Prevention of falling



**SELFLOCK** prevents falling  
from a height.  
If you miss your foot,  
**SELFLOCK** works to keep you  
from falling.  
You can work easily  
and efficiently.

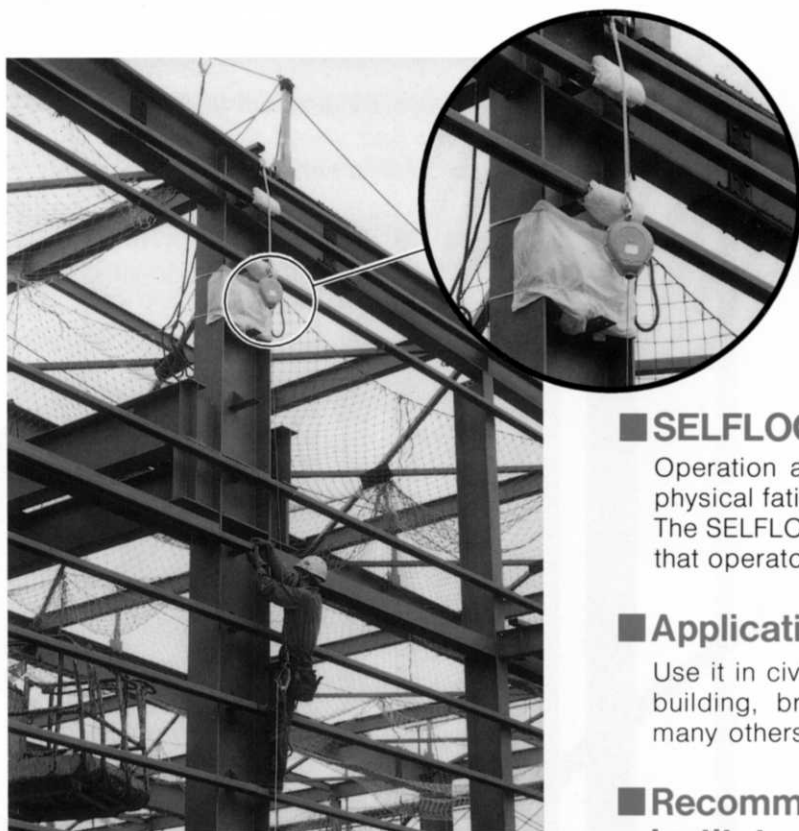


**ENDO**





# "ENDO" SELFLOCK relieves you from fear of falling.



## ■ SELFLOCK manufactured by ENDO

Operation at a height expose you to danger caused by physical fatigue, wind pressure and vibration. The SELFLOCK is an epoch-making product developed so that operators at height can work easily.

## ■ Applications

Use it in civil engineering work, construction work, ship-building, bridge building, mining, electrical work, and many others.

## ■ Recommended by the Industrial Safety Institute of the Labor Ministry.

The SELFLOCK is on display at the industrial safety hall of the labor Ministry.

## ■ Specifications

Model	SL-7H	SL-10L	SL-17H	SL-25L	SL-30H	SL-35H
Working load	120kg	100kg	120kg	100kg	120kg	120kg
Maximum tension	23N{ 2.3kgf }	23N{ 2.3kgf }	39N{ 4.0kgf }	39N{ 4.0kgf }	49N{ 5.0kgf }	59N{ 6.0kgf }
Working rope	AS3 $\phi$ 4.76	AS3 $\phi$ 4	AS3 $\phi$ 4.76	AS3 $\phi$ 4	AS3 $\phi$ 4.76	AS3 $\phi$ 4.76
Cable length	7m	10m	17m	25m	30m	35m
Critical speed of lock	more than 45m/min	more than 45m/min	more than 45m/min	more than 45m/min	more than 45m/min	more than 45m/min
Drop	about 30cm	about 30cm	about 30cm	about 30cm	about 75cm	about 75cm
Mass	6.5kg	6.5kg	13.5kg	13.5kg	22kg	23kg

<Note> The lengths of Drop is on our test data.  
(Standard accessories) Shackle, Sling rope.

## Explanation of Model

### SL-25 L

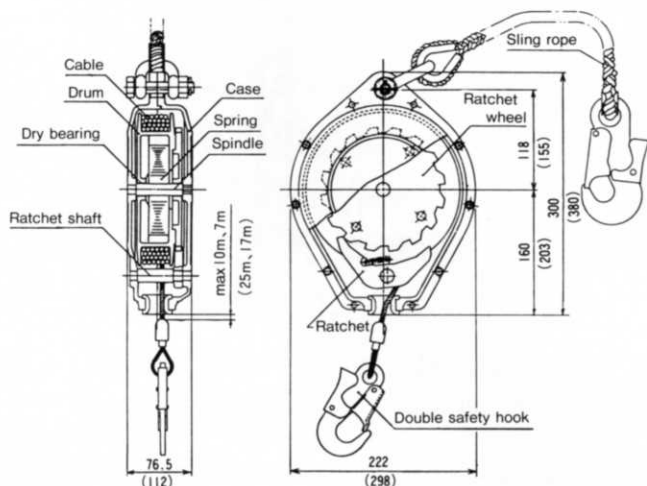
L-Working load 100kg  
H- // 120kg  
Cable length  
Model

## Structure and characteristics

- The self contained spring binds up a stainless cable for aircraft onto the drum in the sealed aluminum alloy case. The ratchet mechanism incorporated works with inertia, which depends on pulling-out speed.
- A cable can easily be pulled out at walking speed or less, but if speeds come to be over critical speed, ratchet locks the ratchet wheel fixed on the drum to promptly stop pulling out of the cable, preventing a falling. Loosening of cable releases it from locking condition. But in general condition, This keeps cable from loosing owing to spring winding system, and presents easy working.

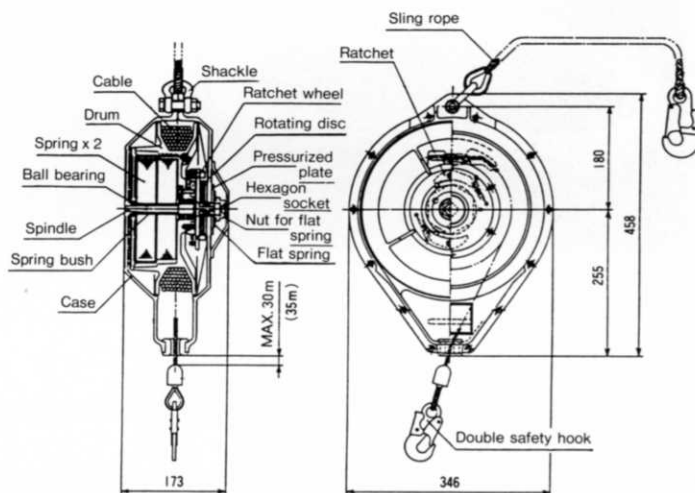
## Dimension (mm)

### SL-7H•10L•17H•25L



Note) Dimensions given in parentheses are for SL-17H and SL-25L

### SL-30H•35H



## IMPORTANT

1. SELF LOCK, whether labored or not, should pass the maker's complete inspection within 3 years after purchase and every 3 years thereafter.
2. Never reuse a labored SELF LOCK. Only use it after passing a maker's inspection.
3. Always read the instruction manual carefully before usage and installation of SELF LOCK. Never use it without correct understanding.
4. Use SELF LOCK between temperatures of  $-10^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ .



## Performance test

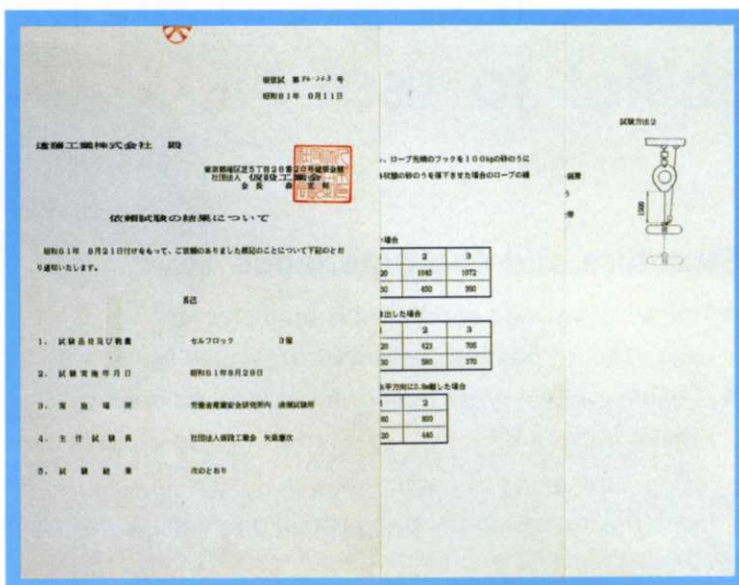
**Testing method;** The sling rope (except SL-35H) and SELFLOCK are attached to a load meter (tension load cell) mounted on a stationary portion.

Then, the hook at the pointed end is placed on the D ring of the safety belt attached to a sandbag of 100 kg when a cable is pulled out 1.5m.

After throwing the sandbag (100 kg) down, the length of pulled out cable and impact load shall be measured when the sandbag stops falling.

It is said that the superior limit of impact load placed on human body is about 900kg (refer to standard for safety belt of the labor ministry).

At our test, the max impact load was 630kg. It is not too much to say that our products have a sufficient safety.



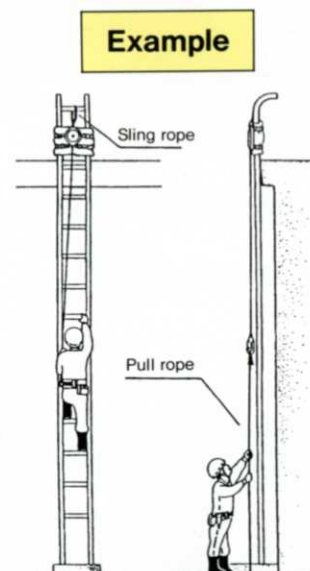
## Accessory

### Pull rope (Vinyl rope $\phi 3$ )

Please use this when you pull the wire rope from a height.



Rope lengths	Applicable Model
10m	SL-7H, 10L
17m	SL-17H
25m	SL-25L
30m	SL-30H
35m	SL-35H



To improve performance, products placed on the catalogues are subject to change without notice.

- Various circular sawing machine ● Various circular saw grinding machine ● Flange facer ● Spring balancer
- Air hoist ● Cable reel ● Hose reel ● Wire reel ● Self lock

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※ We can renew the product on this catalogue without a notice in order to improve its ability.

EC-32D 9910 2000 (S)

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