Guided Type Fall Arrester

78 RORIP 78R-8

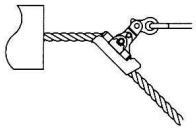
This **78 RORIP 78R-8** is used for preventing workers from falling when ascending or descending ladders or steel towers. **78 RORIP 78R-8** is able to slide onto the line correspondingly to the worker's movement when ascending and descending.

Model No. 78R-8

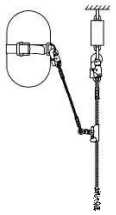
- Available Main Line
  Nylon 3-Strand Rope 16mm dia.
- Auxiliary Line
  Nylon 3-Strand Rope
  10mm dia. × 400mm
- Snap Hook
  FS-50 (Effective opening 13mm)
- Weight – 990g

- Performance

Tensile Strength:
11.5kN or more



Falling Test
Falling Object
85kg weight sandbag
Falling Distance
800mm (H=2L)
Max. Impact Force
8.0kN or less



Guided Type Fall Arrester

SS RORIP SS21-1

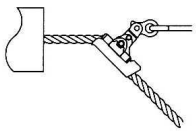
This **SS21 RORIP** is used for preventing workers from workers from falling when ascending or descending ladders or steel towers. **SS21 RORIP** is able to slide onto the line correspondingly to the worker's movement when ascending and descending.

Model No. SS21-1

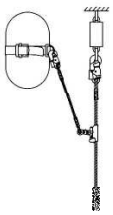
- Available Main Line
  Nylon & Vinylon 3-Strand Rope 16~18mm dia.
- Auxiliary Line
  Nylon 3-Strand Rope 11mm dia.× 500mm (including hook length) (line length only is 400mm)
- Snap Hook
  FS-50 (Effective opening 13mm)
- Weight – 790g

- Performance

Tensile Strength:
11.5kN or more



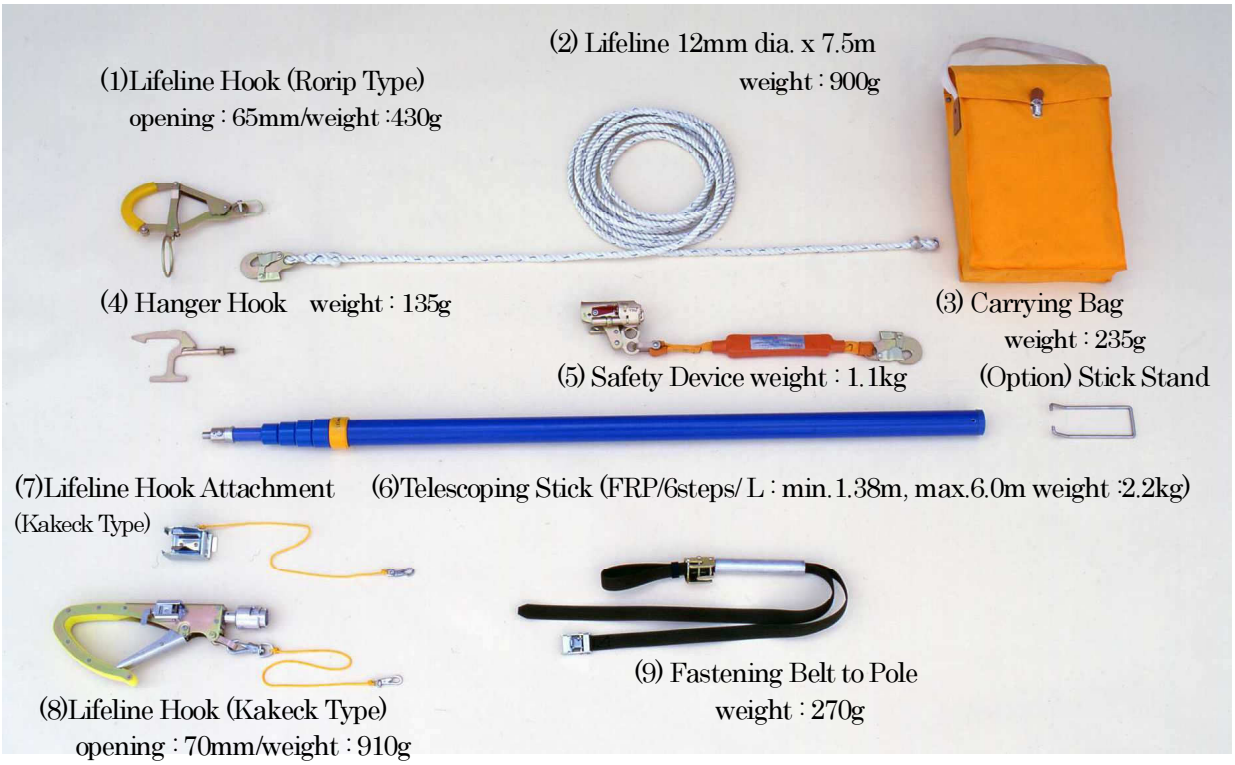
Falling Test
Falling Object
85kg weight sandbag
Falling Distance
1,000mm (H=2L)
Max. Impact Force
8.0kN or less



Fall Arresting System

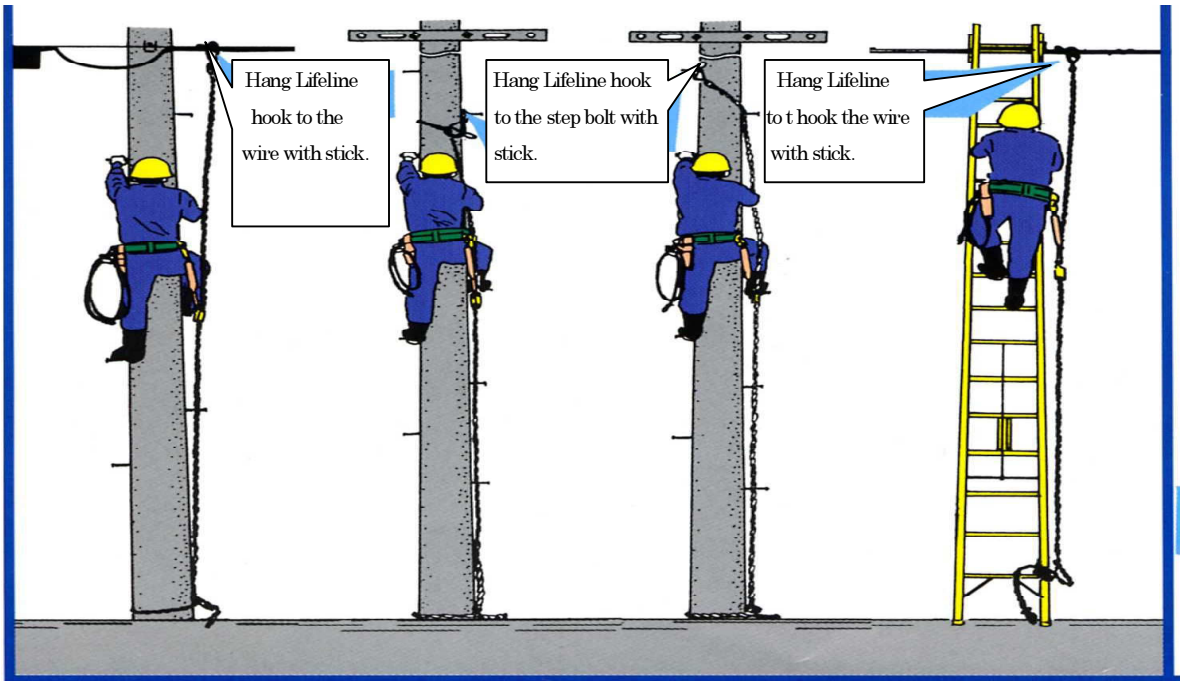
Rorip Type & Kakeck Type

This system is used to climb up and down the electric pole & ladder etc. in a high place such as a communication line work.



Remark : Rorip Type --- (1) ~ (6) Kakeck Type --- (2), (3), (5)~ (9)

Example of Rorip Type Usage



Retractable Type Fall Arrester

BELBLOCK

Model BB-15B

C/W Aluminum Karabiner FS-21A and Pulling Rope 15.5m

Features

1. The strong case against a shock
2. The strap excellent in intensity and wear-proof
3. The strap excellent in fire proof
4. The stackable case without strike slip
5. With soft winding mechanism

Specification

Model No.			FB-15B
Dimension	Main Body	Length	285mm
		Width	220mm
		Thickness	83mm
	Strap	Width	25mm
		Length	15m

Weight: 4.6kg

Performance

Tensile Strength: 14.4kN
Falling Test (Falling Distance 600mm, Falling Object 85kg) Max. Impact Force: 4.9kN Arrest Distance: 1750mm
Working Load: 30kg - 100kg

Model BB-60-SN & BB-60

(Left) Model BB-60-SN
Without shock absorber
(Right) Model BB-60
With shock absorber
C/W Karabiner FS-21 and Pulling Rope 8m

Features

1. It is very compact and light-weight to carry it easy.
2. The case excellent in shock proof
3. The strap excellent in intensity and wear-proof

Specification

Model No.		BB-60-SN / BB-60	
Dimension	Main Body	Length	162mm
		Width	162mm
		Thickness	67mm
	Strap	Width	18mm
		Length	6m

Weight:
(BB-60-SN) 1.5kg / (BB-60) 1.6kg

Performance

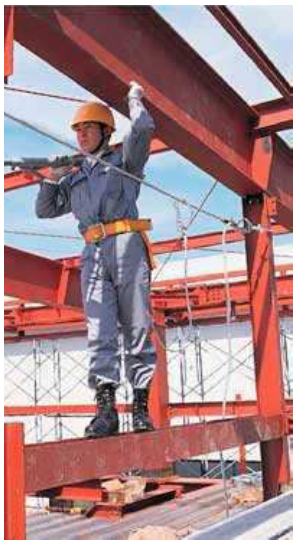
(For BB-60-SN)

Tensile Strength: 14.6kN
Falling Test (Falling Distance 600mm, Falling Object 85kg) Max. Impact Force: 5.7kN Arrest Distance: 1730mm
Working Load: 30kg - 100kg

Horizontal Lifeline System for Temporary Use

Horizontal Lifeline Tension Device GC Harip

Handy device to stretch a horizontal lifeline which is indispensable for safe working at a dangerous high position at public works, mines, building construction sites, electric transmission lines. Easy to stretch a line withstanding the tensile strength up to 200kgf with a wrench or a spanner. Only nylon rope of 16mm dia. is available.



Model No. GCH-10

Model No.	Specification	Horizontal Lifeline	Weight
GC-1	Tension Device＋Anchoring Rope with snap hook FS-90 (Nylon 16mm × 1m length)	-	1.6 kg
GCH-10		Nylon Rope 16mm×10m(with snap hook FS-90)	3.6 kg
GCH-15		Nylon Rope 16mm×15m(with snap hook FS-90)	4.4 kg
GCH-20		Nylon Rope 16mm×20m(with snap hook FS-90)	5.2 kg

※ FM SKYLOCK SYSTEM ※

FM Skylock installed on the transmission tower.

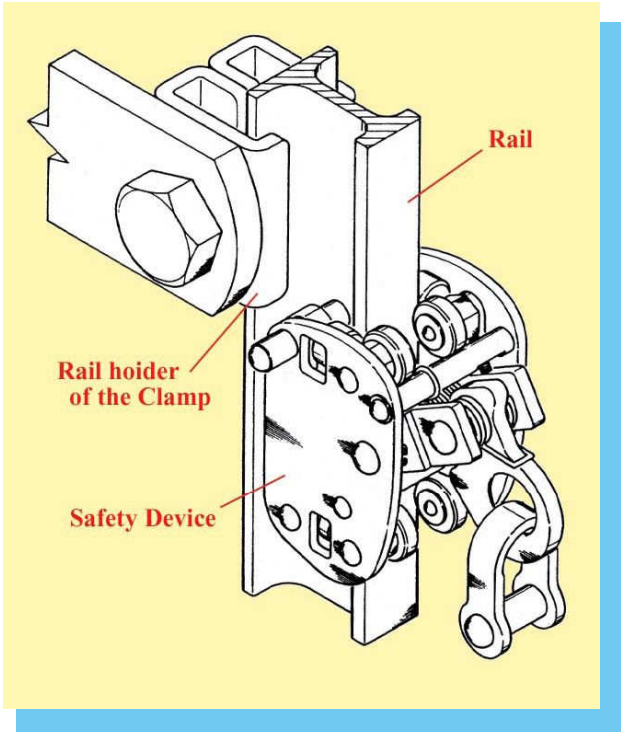
FEATURES

1. FM Skylock is available for use in both vertical and horizontal movement along the construction. By employing the I-type rail, the safety, especially against the fall in horizontal movement, is increased.
2. Superior in anti-corrosion and anti-fatigue.
3. The rail can be bent easily, and can be installed on any part of vertical or horizontal structure.
4. The variety of clamps available enables the rail to be positioned in such a way as to always facilitate the motion of the worker.
5. The safety device, despite being compact and light, has sufficient tensile strength and fall impact characteristics to satisfy the "Safety Belt Standard" enforced by the Labour Ministry of Japan.

FM Skylock installed on the transmission tower.

FM Skylock installed on the roller coaster.

Engagement of the Safety Device, Rail, and Clamp



Safety Device

Y-type for the rail arranged in the center of the ladder.

Weight: 1050g

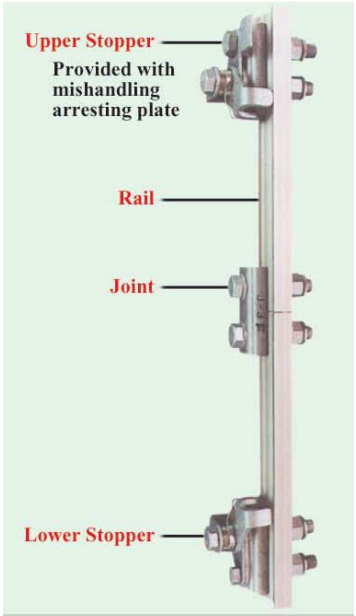
I-type for the rail arranged on the side of the ladder.

Weight: 870g

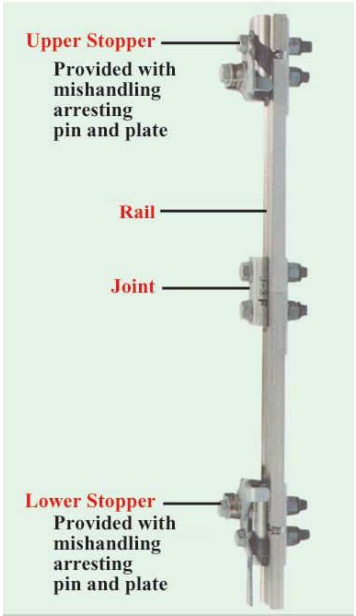
when in use, the Y-type is positioned on the worker's front, conversely, the I-type can be positioned on the side of his body.

Construction of Rails

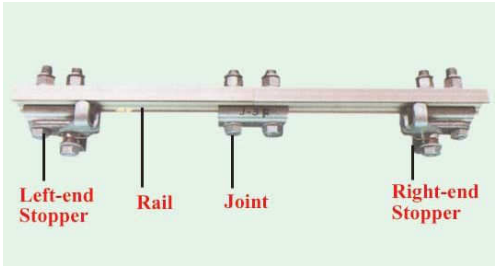
Exclusive to vertical use



Commonly use for both vertical and horizontal movement



Exclusive to horizontal use



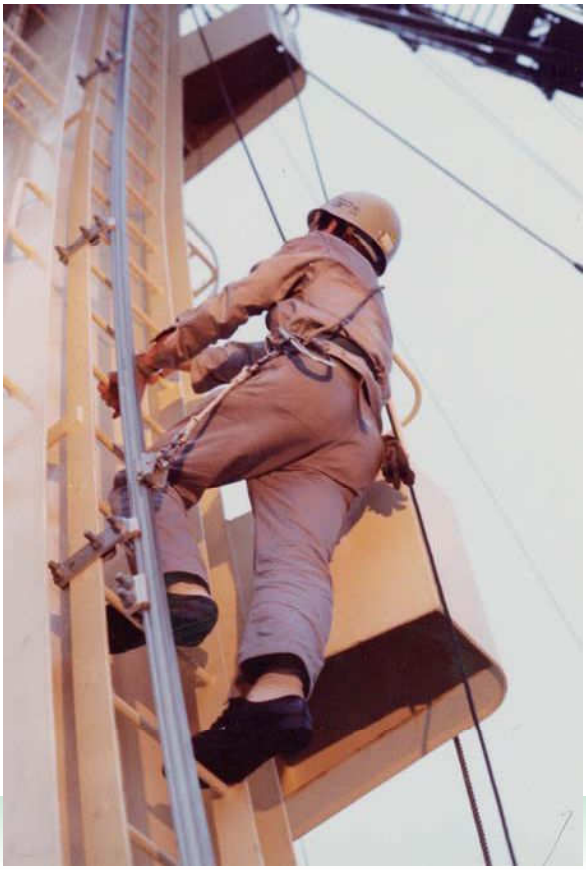
Weight of Rail:	1kg/m
Standard Length of Rail:	3m/pc.
Interval of Clamps:	Maximum 1.8m
Quantities of Clamp required:	2pcs/1pc(3m)

※ FUJI LOCK SYSTEM ※

Fuji Lock installed on the outdoor iron structure.

FEATURES

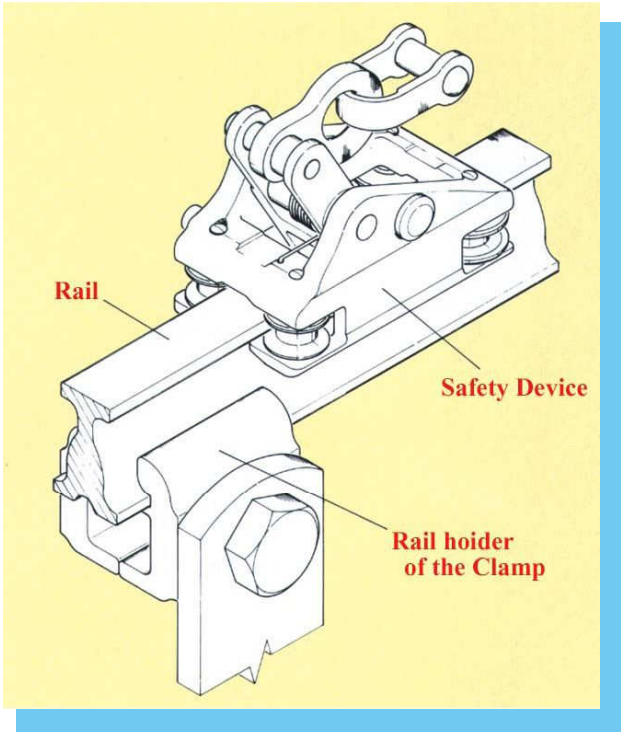
1. Fuji Lock is available for use in both vertical and horizontal movement along the construction. By employing the I-type thick rail, the safety, especially against the fall in horizontal movement, is increased.
2. Superior in anti-corrosion and anti-fatigue.
3. The rail can be bent easily, and can be installed on any part of vertical or horizontal structure.
4. The variety of clamps available enables the rail to be positioned in such a way as to always facilitate the motion of the worker.
5. The safety device, despite being compact and light, has sufficient tensile strength and fall impact characteristics to satisfy the "Safety Belt Standard" enforced by the Labour Ministry of Japan.



Fuji Lock installed on the ladder of the radar mast.

Fuji Lock installed on the handrail of stairs

Engagement of the Safety Device, Rail, and Clamp



Safety Device

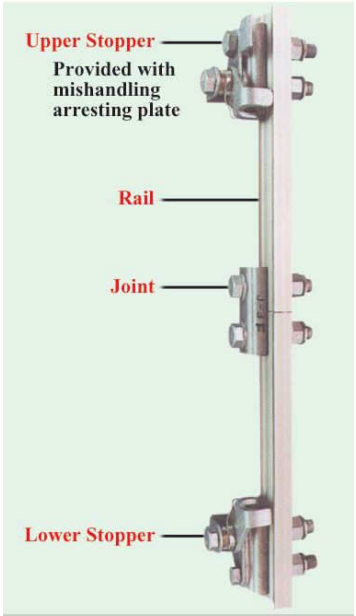
SP-SY-type Exclusive use for vertical movement, available for curved rails (as little as 250mm in radius)
Weight: 1030g

SR-F-SY-type Commonly used for vertical and horizontal movement (change over type), provided with mishandling arresting roller.
Weight: 1100g

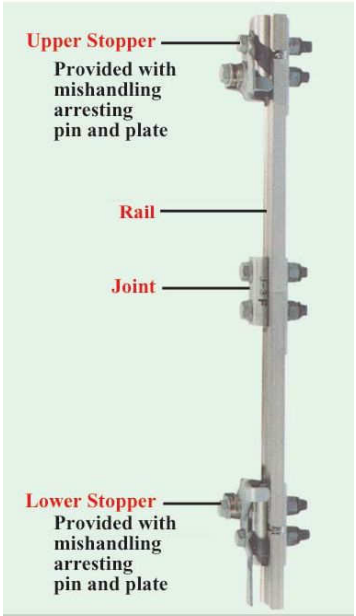
According to the position in which the rail is installed, I-type (used for the rail arranged on the side of the ladder) and S-type (provided with a shock absorber) arealso available.

Construction of Rails

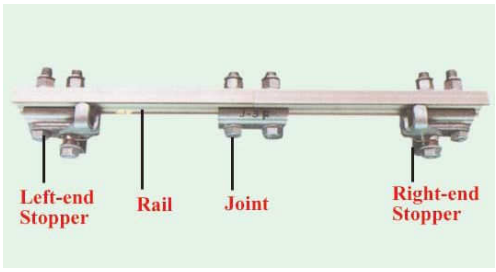
Exclusive to vertical use



Commonly use for both vertical and horizontal movement



Exclusive to horizontal use



Weight of Rail:	1.4kg/m
Standard Length of Rail:	3m/pc.
Interval of Clamps:	Maximum 1.8m
Quantities of Clamp required:	2pcs/1pc(3m)