

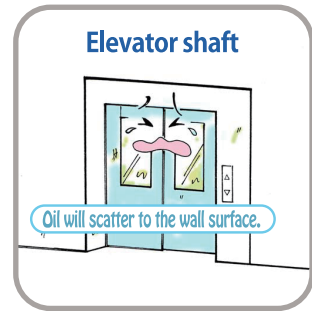
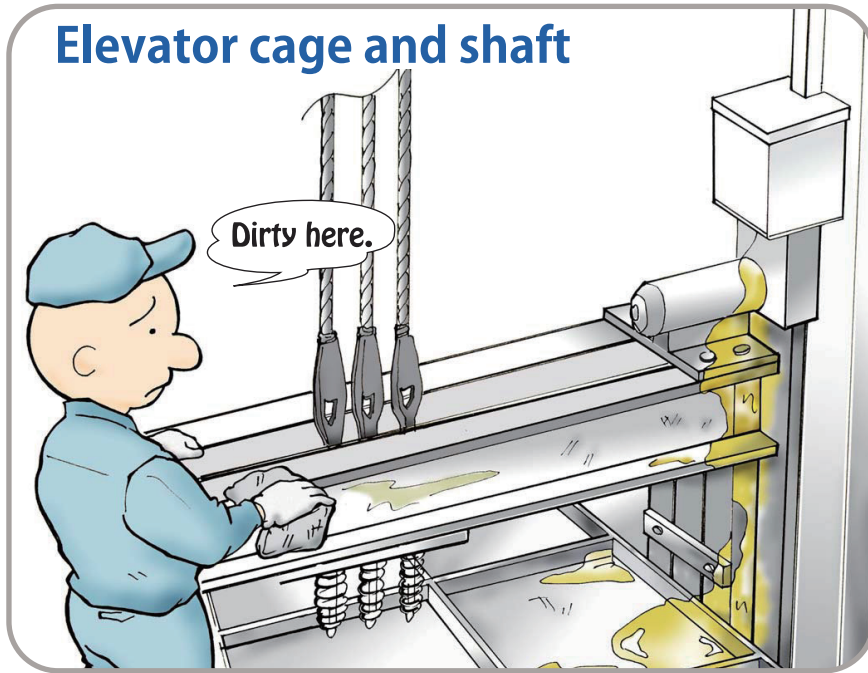
Elevator Guide Rail Oiler

# Flat Oiler

An effective measure of "preventive maintenance", "ecology", and "maintenance cost reduction".

Long life

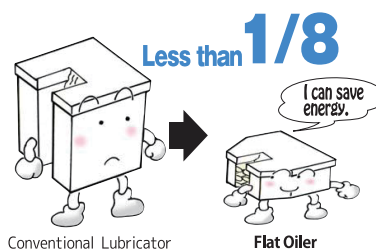
## If oil supply of elevator guide rail is excessive...



### Installation effect of guide rail oiler - Flat oiler

### Saves oil

Economical, compared to conventional model. Replenishing is not necessary for more than a year, with only 300cm<sup>3</sup>.



### Reduces maintenance time

Replenishing frequency is reduced.



### Oil adjustment is not necessary

Extra strong new material has been adopted in the friction part of oil retaining material.



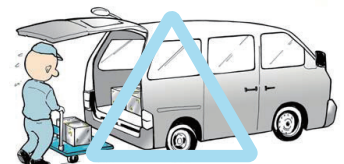
### No oil scattering

Oil does not scatter above the elevator cage and within the shaft. Therefore, there are no oil stains on the observation elevator and elevator crime preventive window glass.



### Small waste oil discharge count

Not much waste oil is accumulated in the pit, and there is a remarkably small discharge count (collection).



## Features

### Direct

1. Oil is applied to the rail surface, maintaining the oil film at the necessary and most minimum amount. (300cm<sup>3</sup> oil will last for more than a year.)
2. Extra strong new material has been adopted in the friction part of oil retaining material; therefore, a product life of 2 years or more is achieved.
3. Oil adjustment is not necessary.

### Indirect

1. The need to ride on top of the elevator cage for oiling has reduced greatly. Therefore, carrying heavy oil cans to the spot and wiping contamination oil is no longer necessary. This leads to the shortening of maintenance time and reduction of personnel organization.
2. The height of the case has been downsized to less than 1/3 the size of the conventional one. It is ideal for "elevators without machinery space" which have only limited space on top of the elevator cage.
3. It is suitable for "observation elevator" since there are no worries of oil scattering.
4. Remarkable effect is achieved especially in elevators in cold regions, since it is not influenced by viscosity change of the oil and the characteristic are always maintained constant.
5. The conventional oiler which required frequent oil supply hindered the introduction of "remote monitoring system". However, with this installation, the problem can be solved.

## Control sticker

Easy management is achieved by attaching a control sticker on the body cover.



<p><b>Replace the pad when :</b></p> <ol style="list-style-type: none"> <li>1. The contact area of the pad with the rail is contaminated <b>black</b> ; or</li> <li>2. <b>18 months</b> have passed or the service time of the elevator has exceeded <b>3,000 hours</b> since the installation of Flat Oiler®.</li> </ol> <p><small>Nanshin Kiko Co., Ltd./Japan</small></p>	Date of Installation :	<b>Sep. 2 — 2009</b>
	Date of replacement : (approximate)	<b>Mar. 1 — 2011</b>
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## Variation

<b>Applied Rail</b>	8K Rail	13K Rail	18K Rail / 24 K Rail	30K Rail
<b>Oiler Type</b>	T-8K	T-13K	T-18K, T-24K	T-30K

As for elevator maintenance, with the recent introduction of remote maintenance, inspection frequency and time by the maintenance engineer is extremely limited. Therefore, maintenance companies are having a difficult time in improving services to the users. Under such circumstances, guide rail oiler with small oil consumption and stain prevention around the elevator cage and shaft is required. Based on these demands, we have successfully installed over 2,200,000 units as of January 2010. In addition, we have acquired patent in the following countries. (Japan, the United States, South Korea, and EU)

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