

## ATH E2 Self-Lubricating Model

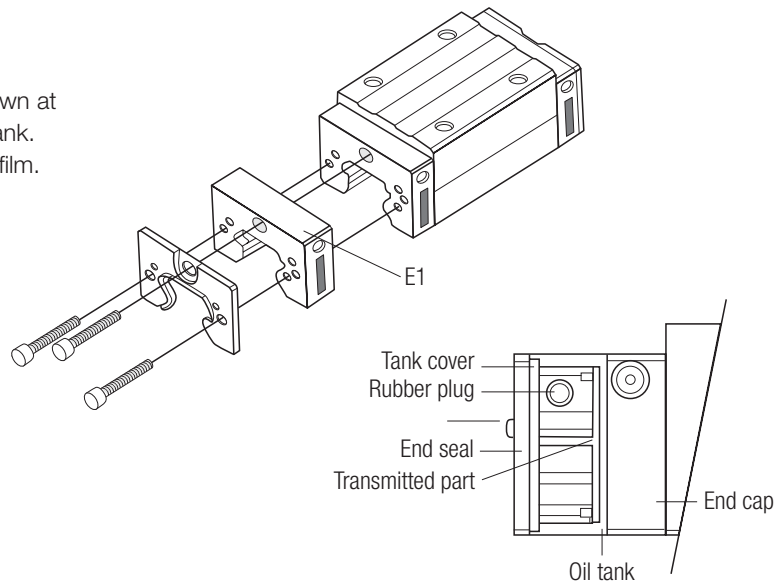
The configuration of the ATH E2 linear guideway is shown at right. The self-lubricant apparatus contains a filled oil tank. The oil is dispensed on the rail to form a lubricating oil film.

The self-lubricating blocks work in all block mounting configurations.

Configuration of the self-lubricant apparatus

- Oil tank
- Tank cover
- Transmitted part
- Lubricant part
- Rubber plug
- Oil

E1: Economy First & Ecology First  
(patent pending)



## Features

- **Cost reduction:** Saves cost by reducing oil usage and maintenance.

Item	Force Lubricant	E1 (Self-lubricant) Block
Lubricant device	\$XXX	—
Design and installation of lubricant device	\$XXX	—
Cost of oil purchase	0.3cc/hr x 8 hrs/day x 280 days/year x 5 year = 3,360cc x cost/cc = \$XXX	17cc (5 years 10,000km) x cost/cc = \$XX
Cost of change oil	3~5 hrs/time x 3~5 times/year x 5 year x cost/time = \$XXX	—
Waste oil disposal	3~5 times/year x 5 year x cost/time = \$XXX	—

- **Clean and environmentally friendly:** Optimized oil usage prevents leaking, making it the ideal solution for clean working environments.
- **Long lasting and low maintenance:** Self-lubricating block is maintenance-free in most applications.
- **No installation limitations:** Available in all block-mounting configurations.
- **Easy refillable tank:** The oil is easily refillable with the new plug design.

## Applications

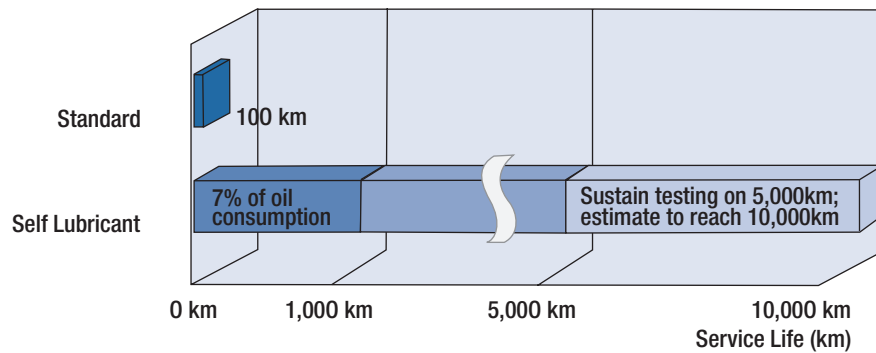
- **Machine Tools**
- **Manufacturing Machines:** Plastic injection, paper making, textile machines, food processing machines, woodworking machines, etc.
- **Electronic Machinery:** Semiconductor equipment, robotics, X-Y tables, measuring and inspecting equipment.
- **Others:** Medical equipment, transporting equipment.

## ATH E2 Self-Lubricating Model

### Specification

Add "/E2" after the specification of linear guideway.

(Ex: ATH-S-25HT-1600 + ZZ/E2)



### Lubrication Capability

Life testing with light load

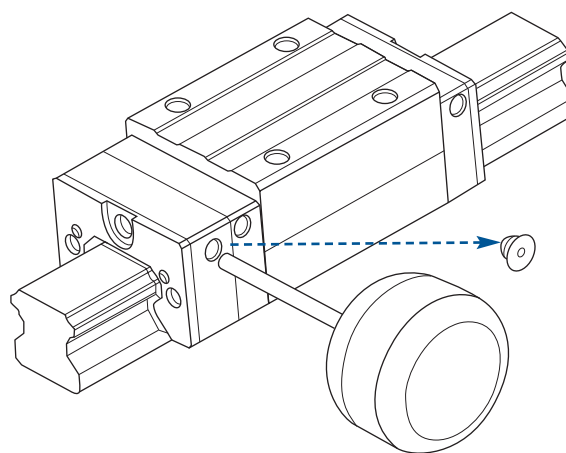
Test condition:

<b>Model No.</b>	ATH-S-25-ST
<b>Speed</b>	60m/min
<b>Stroke</b>	1500mm
<b>Load</b>	500kgf

### Characteristic of lubricant

1. Synthetic oils with stable characteristics
2. Temperature range of oil operations is -15°C ~ 240°C, covering most working conditions for linear guideways
3. Reduces friction
4. Anti-corrosion
5. Non-toxic

### Oil Replacement Procedure



1. Pull out the rubber plug.
2. Refill the oil tank using syringe.