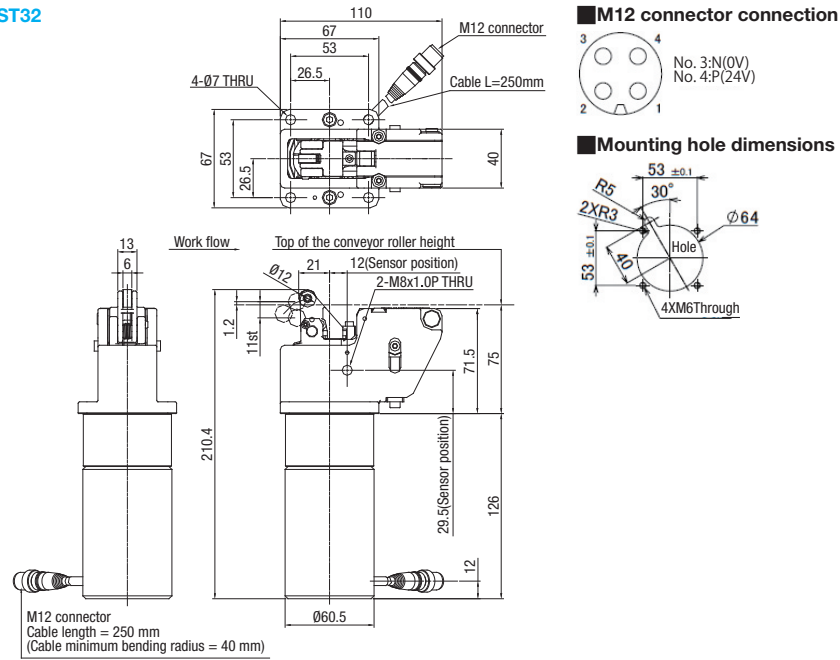




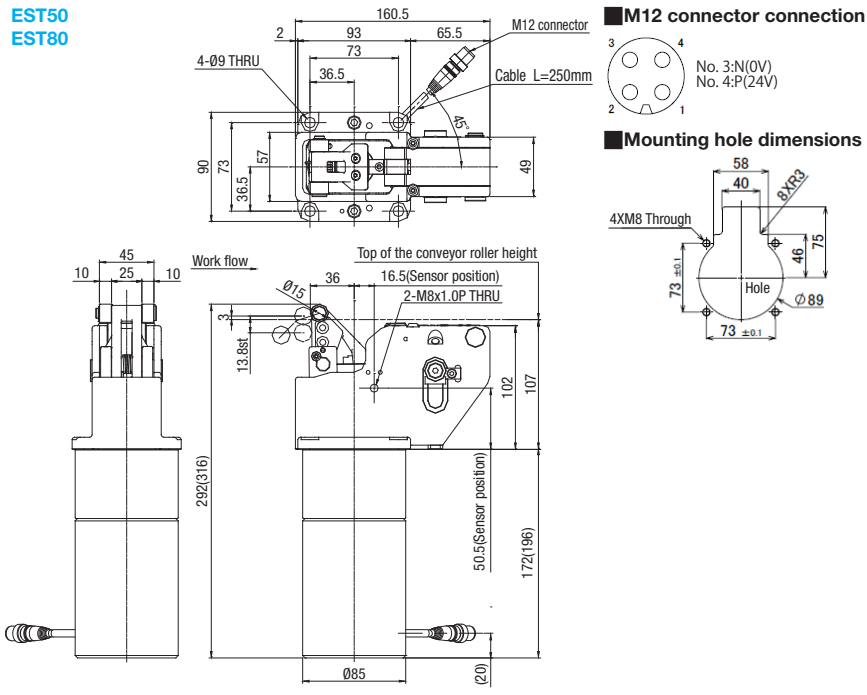
# Eco Electric Stopper



## EST32



## EST50 EST80



### Specifications

Part Number Type	D	Weight capacity(kg)	Actuator	Voltage rating	Power consumption	Standby power	Impact absorption	Descending speed	Product weight (kg)	Controller
EST	32	70	Solenoid	DC24V	7W	0W	Shock absorber	0.2sec	2.9	Not Required
	50	280			25W				8.5	
	80	530			8.7					



Ordering Example  
Part Number  
**EST32**



Lead Time  
Days to Ship  
**19** Days



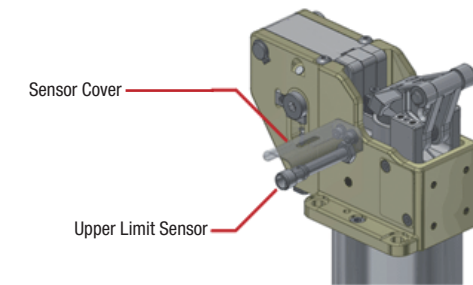
Alterations



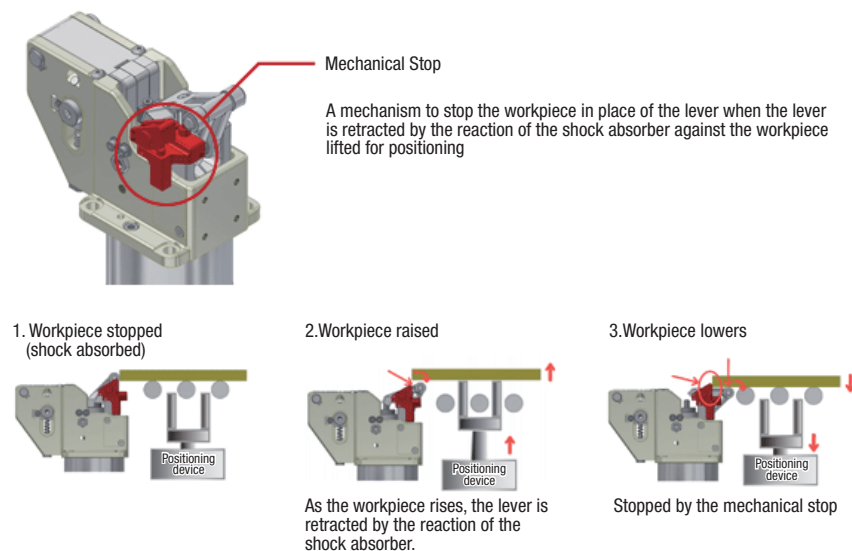
Part Number - (1, C...etc.)  
**EST32 - 1**

	Alteration	Code	Specification
Upper Limit Sensor	(OMRON) 	<b>1</b>	OMRON sensor for upper limit detection
	(EFFECTOR) 	<b>2</b>	EFFECTOR sensor for upper limit detection
Sensor Cover		<b>C</b>	Protective Cover for Sensor (optional)
Mechanical Stop (optional)		<b>M</b>	A mechanism to stop the workpiece in place of the lever when the lever is retracted by the reaction of the shock absorber against the workpiece lifted for positioning

### Upper limit detection sensor



### Mechanical stopper assembly

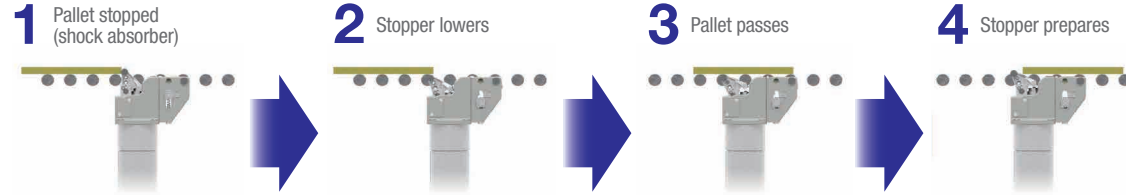


The mechanical stop will not be damaged even if the workpiece flows backward.



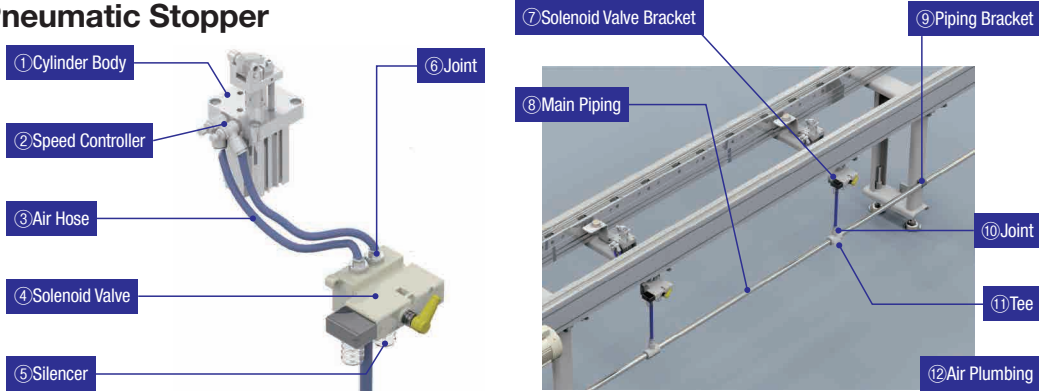
# Eco Electric Stopper

## Pattern of operation



## Example

### Pneumatic Stopper



Less Piping,  
Cost Saving

Energy Saving

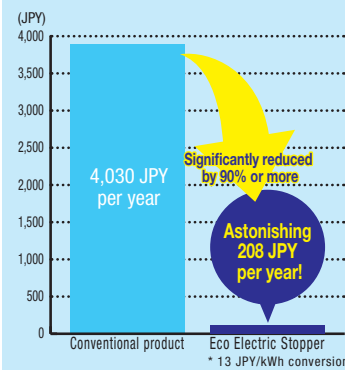
## Eco Electric Stopper



Requires only a 24VDC cable!

None of the above ① to ⑫ are required. In addition, Eco Electric Stopper will help reduce the lead time by cutting down the assembly/adjustment labor hours.

When annual electric bills are compared,

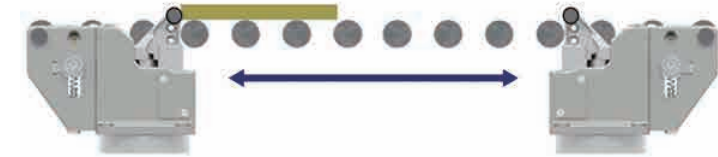


Cost-saving effect is particularly high in equipment like a stock line where many stoppers are used.

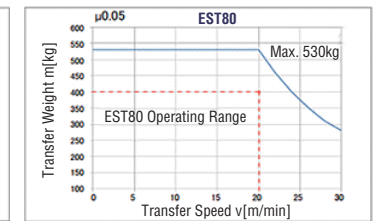
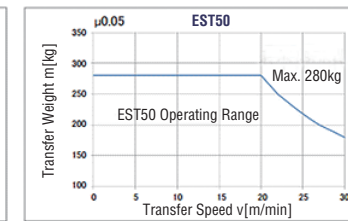
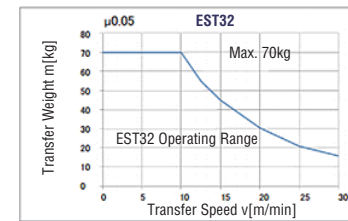
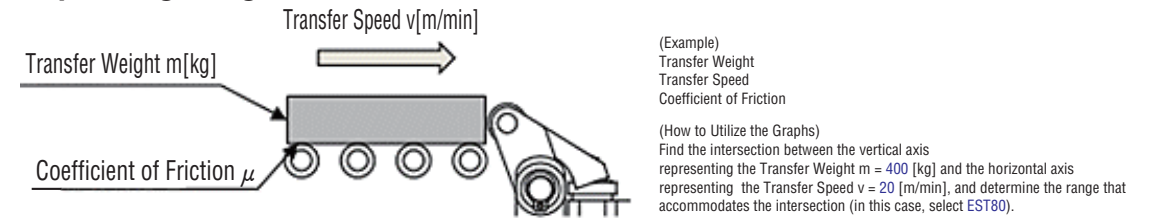
**90% Energy Saving, 90% CO<sub>2</sub> Reduction.**

## High Durability

Achieved 3 million cycles in the manufacturer's endurance test (the shock absorber is replaceable and estimated to last 1 million cycles).

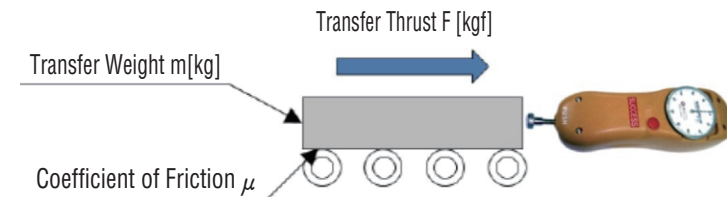


## Operating Range



\* Use within the operating range shown in the graph.

## Allowable Transfer Thrust



Model	Allowable Transfer Thrust [kgf]
EST32	7
EST50, 80	26.5

(Example)  
Transfer Weight :  $m=400[\text{kg}]$   
Coefficient of Friction :  $\mu=0.05$   
Transfer Thrust :  $400 \times 0.05 = 20 \leq 26.5[\text{kgf}]$   
→EST80 should be selected

\* When selecting, make sure that the transfer thrust is equal to or below the allowable thrust.

## Selection

- Please use within the suggested operating range. Use beyond the operating range may result in damaging product.
- Do not collide the workpiece against the upright lever. If the subsequent incoming workpiece collides against the upright lever (after the shock absorber absorbs the impact force), all the collision energy will be applied to the stopper body, which may result in damaging Product.

## Installation and Operation

- Make sure that the workpiece is parallel to the roller shaft of the stopper. If the workpiece is tilted and collides against the roller shaft, it may result in damage against the stopper.
- Be careful not to let your finger(s) get caught while the stopper is in operation. The lever moves up/down while the stopper is in operation: pay sufficient attention to not get your finger(s) caught.
- Be sure to have a clearance between the workpiece and the stopper for workpiece locating. Failing to do so may result in stopper damage. Mount the stopper at a position that provide approx. 1mm clearance between "1. Position to Stop Workpiece" and "2. Position to Located Workpiece". Lack of the clearance can generate lateral load, which may cause stopper damage.
- Avoid water, cutting fluid, and dust on the stopper.
- The stopping behavior of the transferred object may vary due to the ambient temperature fluctuation and the change in reaction of the aging shock absorber. Please check the stopping behavior regularly and adjust the reaction of the shock absorber as applicable.
- Avoid leaving the stopper in a lowered position while uninterruptedly energizing it, the solenoid will heat up and this may result in burn injury.
- Be sure to install the stopper on the upright position.
- An optional upper limit sensor is available with this product, but not lower limit.