## **ELECTRIC STOPPER ACTUATOR (WITH MOTOR)**



Motor type

Step motor

Transmission

Trapezoidal screw + belt

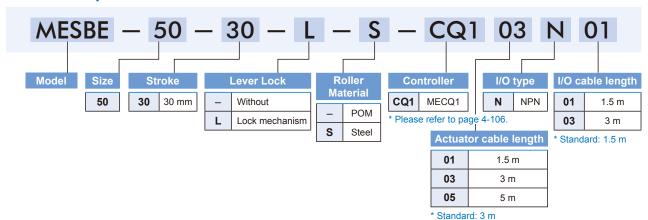
#### **Feature**

- Proximity sensors are available.
- Magnetic as standard.
- Patented lever-lock mechanism. Adjustable shock absorbers provide good capacity for different applications.

### **Specification**

Model		MESBE					
Size		50					
Stroke	(mm)	30					
Repeatability	(mm)	±0.1					
Ball screw lead	(mm)	1.5					
Ascend / descend time (s)		1					
Max. operating frequency	(c.p.m)	5.5					
Ambient temperature		0~+55°C (No freezing)					
Ambient humidity	(RH)	35~85% (No condensation)					
Motor size		□42					
Encoder		Incremental encoder (4000PPR)					
Rated voltage		DC 24V±10%					
Cushion		Adjustable shock absorber					
Sensor switch		RDFE(V) (Please refer to page 8-19)					
Weight	(g)	2000					

#### Order example



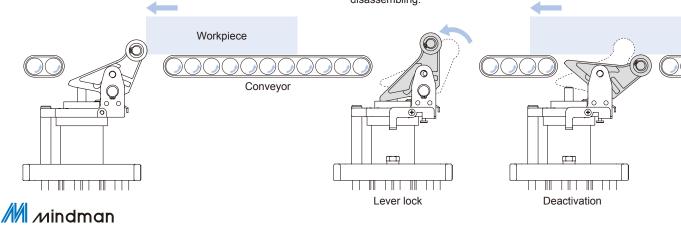
#### Intended use

Stopping transferred workpiece.

#### **Lock & Deactivation mechanism**

Lock mechanism prevents the light-weight workpiece from moving back by the force of shock absorber after damping.

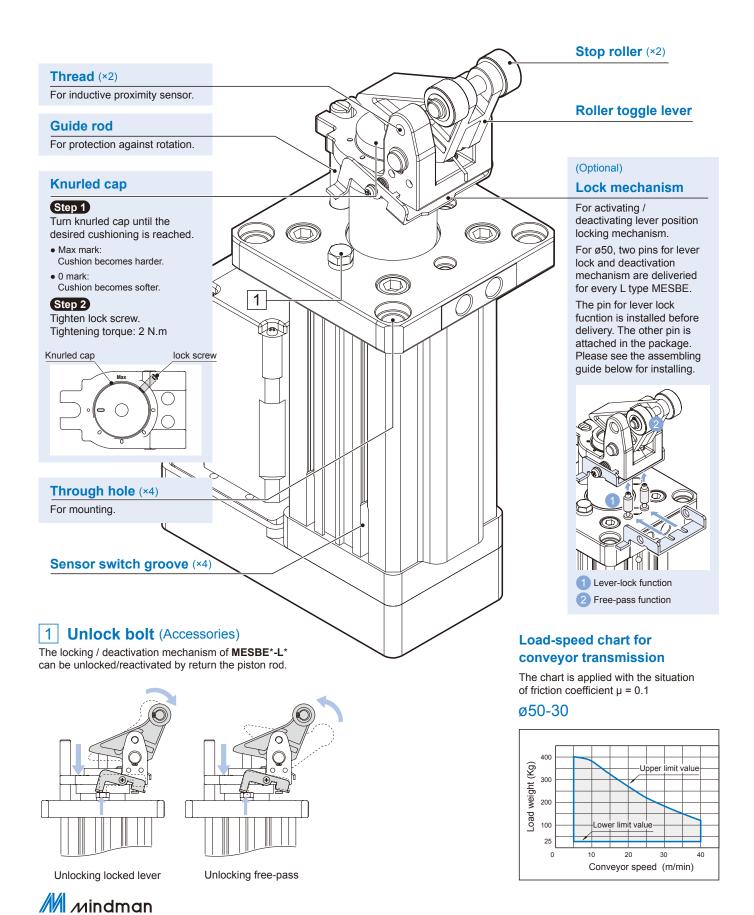
Deactivation mechanism can deactivate the cylinder without any disassembling.



# MESBE Mechanism



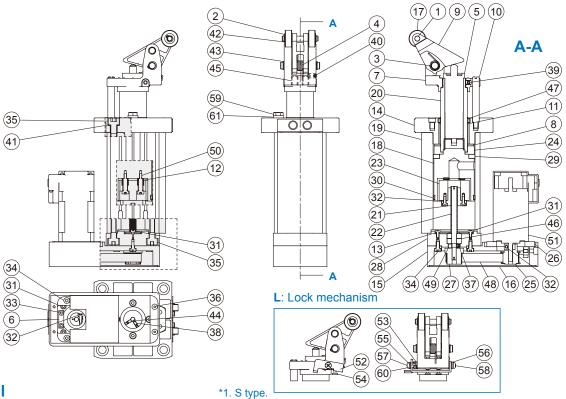
## **ELECTRIC STOPPER ACTUATOR (WITH MOTOR)**



# MESBE Inside structure & Parts list ø50



# **ELECTRIC STOPPER ACTUATOR** (WITH MOTOR)



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No.	Part name	Material	Q'y
1	Roller pin	Steel	1
2	Roller Washer	Steel	2
3	Lever Pin	Steel	1
4	Lever spring	Steel	1
5	Adjustable absorber	_	1
6	Adjustment Block	Aluminum alloy	1
7	Lever holder	Steel	1
8	Cushion pad	NBR	1
9	Lever	Steel	1
10	Guide rod	Steel	1
11	Bush	Resin	1
12	Spring	Steel	4
13	Bearing cap	Steel	1
14	Cover	Aluminum alloy	1
15	Motor connector	Aluminum alloy	1
16	Cover	Aluminum alloy	1
17	Dallan	Alloy steel *1	2
	Roller	Resin	2
18	Piston	Aluminum alloy	1
19	Housing	Aluminum alloy	1
20	Piston rod	Steel	1
21	ACME Consul (with mut)	Copper alloy	1
22	ACME Screw (with nut)	Steel	1
23	Piston connector	Aluminum alloy	1
24	Magnet holder	Aluminum alloy	1
25	Driving wheel	Aluminum alloy	1
26	Motor holder	Aluminum alloy	1
27	Driven wheel	Aluminum alloy	1
28	Housing holder	Aluminum alloy	1
29	Magnet ring	Magnet	1
30	Wear ring	Resin	1

No.	Part name	Material	Q'y
31	Hexagon bolt	Stainless steel	8
32		Steel	5
33		Stainless steel	2
34		Stainless steel	8
35		Stainless steel	8
36	Screw	Stainless steel	4
37	Screw	Stainless steel	2
38		Stainless steel	2
39	Screw	Steel	1
40		Steel	1
41	Spring washer	Steel	4
42	01 :	Steel	2
43	Stop ring	Steel	2
44	Feather key	Steel	1
45	Rod bush	Resin	2
46	Ball bearing	Steel	2
47	Dust-proof seal	NBR	1
48	Timing belt	Resin	1
49	Screw	Steel	1
50	Screw	Steel	4
51	Step motor	-	1
52	Lever lock	Steel	1
53	Spring	Steel	1
54	Locating pin	Steel	2
55	Collar	Steel	1
56	Collar #2	Steel	1
57	Screw	Steel	1
58	Screw (with washer)	Steel	1
59	Screw	Steel	1
60	Spring washer	Steel	1
61	Flat washer	Steel	1

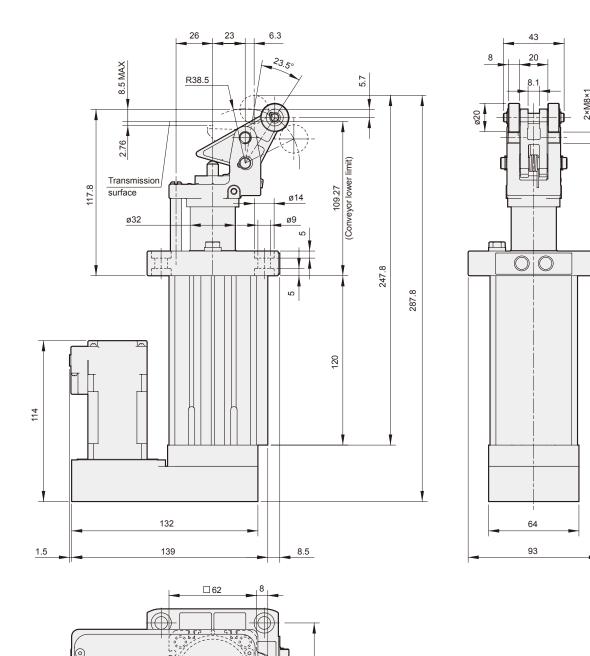


# MESBE Dimensions ø50



17.5

# **ELECTRIC STOPPER ACTUATOR** (WITH MOTOR)



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