MESBE series

ELECTRIC STOPPER ACTUATOR (WITH MOTOR)





Motor type Step motor Transmission Trapezoidal screw + belt

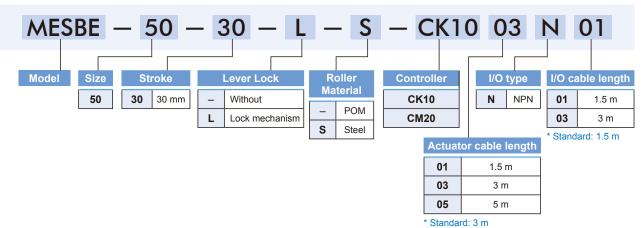
Order example



- 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	
Rated voltage		DC 24V±10%	
Cushion		Adjustable shock absorber	
Sensor switch		RDFE(V) (Please refer to page 5-11)	
Proximity sensor		RJY (Please refer to page 5-**)	
Weight	(g)	2000	



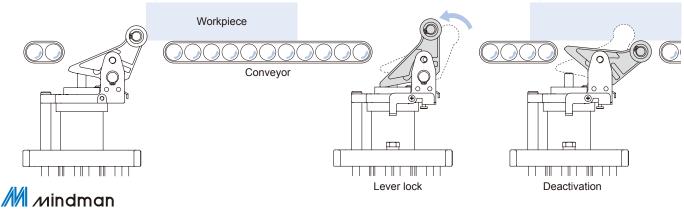
Intended use

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

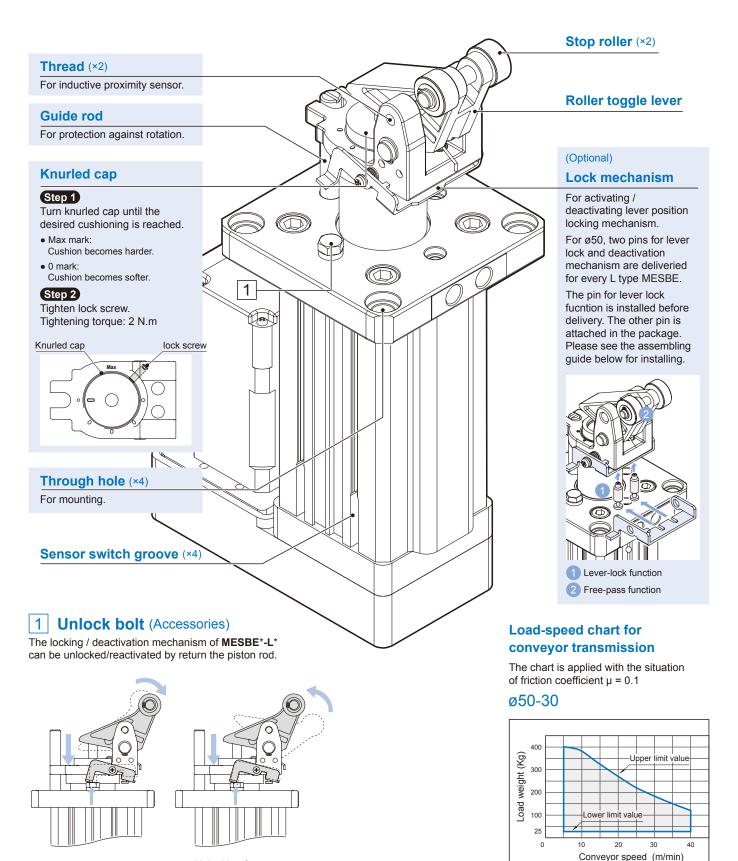
disassembling.



MESBE Mechanism

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Unlocking locked lever

Unlocking free-pass





(39)

<u>(47</u>)

(8)

(24)

-(29)

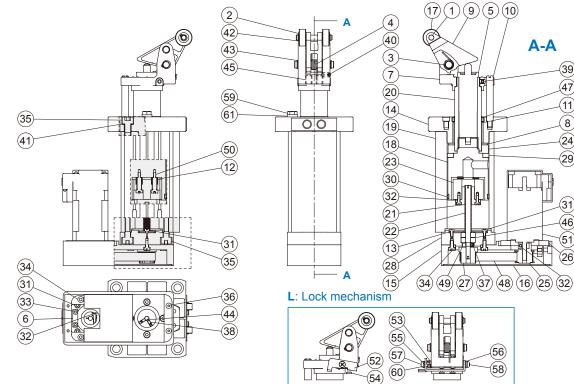
(31)

-(46)

(51)

(26)

MESBE Inside structure & Parts list 50 **ELECTRIC STOPPER ACTUATOR** (WITH MOTOR)



Material

*1. S type.

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	Roller	Alloy steel *1	2
17	Roller	Resin	2
18	Piston	Aluminum alloy	1
19	Housing	Aluminum alloy	1
20	Piston rod	Steel	1
21		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		Stainless steel	8
32		Steel	5
33	Hexagon bolt	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	Otan sin s	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 50 ELECTRIC STOPPER ACTUATOR (WITH MOTOR)

