

Discontinued some variations
Sales of ETS-05 to ETS-12 discontinued.

Series variation											
Type	Model No.	Applicable motor size	Body width (mm)	Screw lead (mm)	Max. load capacity (kg) *2		50	100	150	200	250
					Horizontal *1	Vertical					
Slider		ETS-05	<input type="checkbox"/> 42	51	2	10	7				
					5	10	3				
					10	5	1.5				
		ETS-06	<input type="checkbox"/> 42	65	2	30	15				
					5	30	10				
					10	15	5				
		ETS-10	<input type="checkbox"/> 56 <input type="checkbox"/> 60	102	5	50	12				
					10	30	8				
					16	22	5				
					20	18	3				
		ETS-12	<input type="checkbox"/> 56 <input type="checkbox"/> 60	102	5	50	12				
					10	30	8				
					16	22	5				
					20	18	3				
		ETS-13	<input type="checkbox"/> 56 <input type="checkbox"/> 60	135	5	70	17				
					10	47	12				
					16	30	6				
					20	24	4				
		ETS-14	<input type="checkbox"/> 56 <input type="checkbox"/> 60	135	5	110	33				
					10	88	22				
					16	48	10				
					20	40	8				

*1: The load capacity when wall mounted is the same as for horizontal installation.

*2: The rated thrust and max. load capacity values are the allowable values for the actuator body; the actual thrust and load capacity are limited by the motor used.

	Stroke length (mm) and max. speed (mm/s) *3																								Page		
	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500 mm		
	100 mm/s						90	80	70	60	^{*4} 🕒 13.53 sec															588	
	250						225	200	175	150	🕒 5.53 sec																
	500						450	400	350	300	🕒 2.87 sec																
	100						90	80	70	60	🕒 13.53 sec																594
	250						225	200	175	150	🕒 5.53 sec																
	500						450	400	350	300	🕒 2.87 sec																
	250									225	200	175	150	125	🕒 8.6 sec												600
	500									450	400	350	300	250	🕒 4.4 sec												
	800									720	640	560	480	400	🕒 2.83 sec												
	1000									900	800	700	600	500	🕒 2.3 sec												
	250									225	200	175	150	125	🕒 8.6 sec												606
	500									450	400	350	300	250	🕒 4.4 sec												
	800									720	640	560	480	400	🕒 2.83 sec												
	1000									900	800	700	600	500	🕒 2.3 sec												
	250									225	200	175	150	125	🕒 8.6 sec												612
	500									450	400	350	300	250	🕒 4.4 sec												
	800									720	640	560	480	400	🕒 2.83 sec												
	1000									900	800	700	600	500	🕒 2.3 sec												
	250									225	200	175	150	125	🕒 8.6 sec												618
	500									450	400	350	300	250	🕒 4.4 sec												
	800									720	640	560	480	400	🕒 2.83 sec												
	1000									900	800	700	600	500	🕒 2.3 sec												

*3: The max. speed is the speed when the motor mounted by the customer can output a rotation speed of 3000 rpm.

The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

*4: ⌚ shows the positioning time. Maximum stroke when installed horizontally and operated at max. speed and max. acceleration/deceleration.
Note that this is not the value at maximum load capacity.

How to order

How to order

ETS - 06 - 05 040 - E A A N C B D P - M - X

A B C D E F G H I J K L M

A Body size	
05	Body width 51 mm
06	Body width 65 mm
10	Body width 102 mm
12	Body width 102 mm
13	Body width 135 mm
14	Body width 135 mm

B Screw lead	
02	2 mm
05	5 mm
10	10 mm
16	16 mm
20	20 mm

C Stroke length	
005	50 mm
to	(In 50 mm increments)
105	1050 mm

D Motor mounting direction	
E	Straight mounting
R	Right mounting
D	Bottom mounting
L	Left mounting

E Mounted motor specification	
A	Refer to the list on the page at right
B	
C	

F Motor size	
A	<input type="checkbox"/> 42
B	<input type="checkbox"/> 56
C	<input type="checkbox"/> 60

G Brake	
N	None

H Origin sensor (1 pc) *1	
N	None
A	Inside motor side
B	Inside motor opposite side
C	Outside motor side (Included at shipment)
D	Outside motor opposite side (Included at shipment)

I Limit sensor (2 pcs) *1	
N	None
A	Inside
B	Outside

J Grease nipple	
N	None (Body mounting direction: Standard)
D	None (Body mounting direction: Bottom side)
R	Right
L	Counterclockwise

K Positioning pin hole	
N	None
P	Yes

L Magnet slider method *2	
	Standard
M	Yes

M Metal stopper specifications (ETS-X)	
	Standard
X	Yes

*1: The sensor dog is assembled at shipment regardless of sensor presence.

*2: ETS-05/06 uses the magnet slider method.
Other sizes use the standard.

Example of model No.

ETS-06-05040-EAANCBDP-M-X

A Body size	: 06 Series
B Screw lead	: 5 mm
C Stroke length	: 400 mm
D Motor mounting direction	: Straight
E Mounted motor specification	: A (refer to the table on the page at right)
F Motor size	: <input type="checkbox"/> 42
G Brake	: None
H Origin sensor	: External motor side
I Limit sensor	: Outside
J Grease nipple	: None (Body mounting method: Bottom side)
K Positioning pin hole	: Yes
L Magnet slider method	: Yes
M Metal stopper specifications (ETS-X)	: Yes

*This product is composed of an actuator (and motor mounting parts) only; there is no motor attached.
The user must prepare, mount, and adjust the motor and driver.

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ETS Series

List of stepper motors recommended for mounting

List of stepper motors recommended for mounting

Code	Manufacturer	Series	□42	□56	□60
A	Oriental Motor Co., Ltd.	AZ	AZM46□0□	-	AZM66□0□ AZM69□0□
		AR	ARM46□0□	-	ARM66□0□ ARM69□0□
B	MinebeaMitsumi Inc.	A17PM/A23KM	A17PM□□□□CSTBCN	A23KM□□□□CSTBCN	-
B	Dyadic Systems Co., Ltd.	RMJ	RMJ0411	-	-
C		RMJ	-	RMJ0611/RMJ1211	-

EBS	EBR	ETS	ETS Multi-Axis	ECS	ETV	ECV	EKS	EBS	EBR	ETS	ECS
Servo motor compatible								Stepper motor compatible			

Safety
precautions