

Linear Electric Actuator

Series AERS

Cat :

Rod Type Ball Screw Actuator - 44mm

Features

- Compact robust design
- Highly flexible mounting
- More precise & positioning
- Ease of positioning
- Ease of maintenance

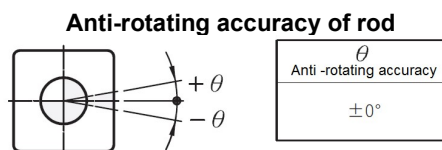
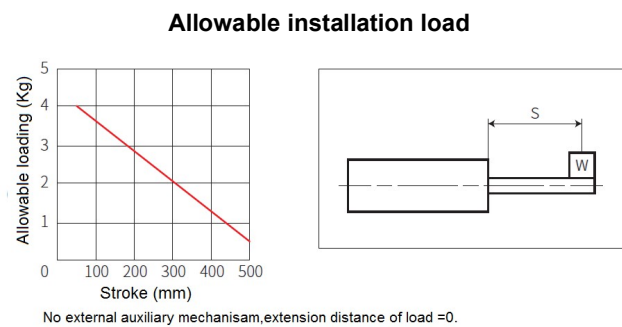
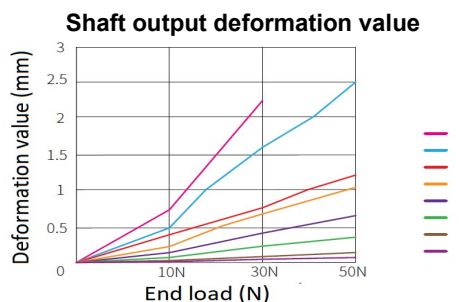


Technical Specifications

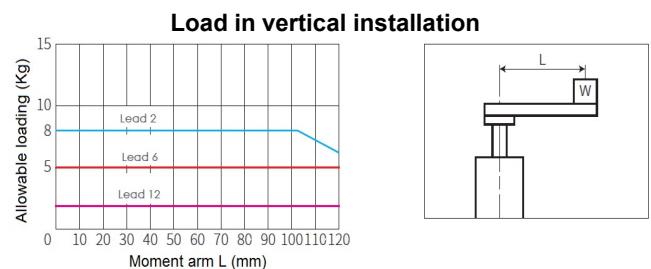
Repeatability (mm)		±0.01		
Motor Power (AC Servo in W)		100		
Ball screw lead (mm)		2	6	12
Maximum speed (mm/s)*		100	300	600
Maximum payload	Horizontal (Kg)**	25	20	12
	Vertical (Kg)	8	5	2
Rated thrust (N)		424	141	71
Stroke / Pitch (mm)		50-500mm / 50 mm Pitch		
Ball screw Ø (mm)		C7 Ø 10		
Coupling (mm)		7x8		
Home sensor	Outside	CS-6T (NPN)		

*Acceleration and deceleration value is set 0.2sec.

**If payload is near maximum, it requires to collocate externally with auxiliary guideway for bearing radial load.



Avoid using the electric actuator in such a way that rotational torque would be applied to the piston rod. This may cause deformation of the anti-rotating guide, abnormal responses of the auto switch, pay in the internal guide or an increase in the sliding resistance.



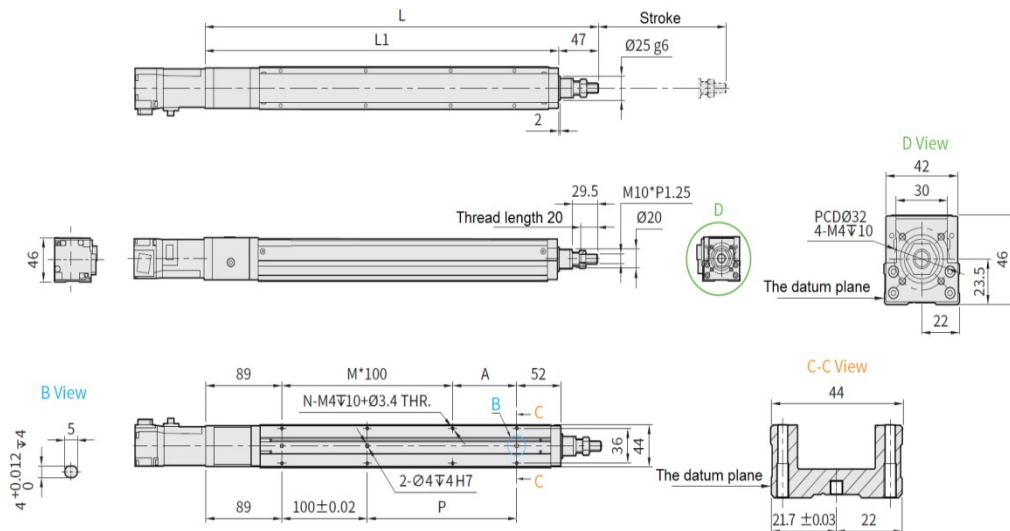
Calculate conditions:3000 rpm/min, acceleration and deceleration value is set 0.2 sec.

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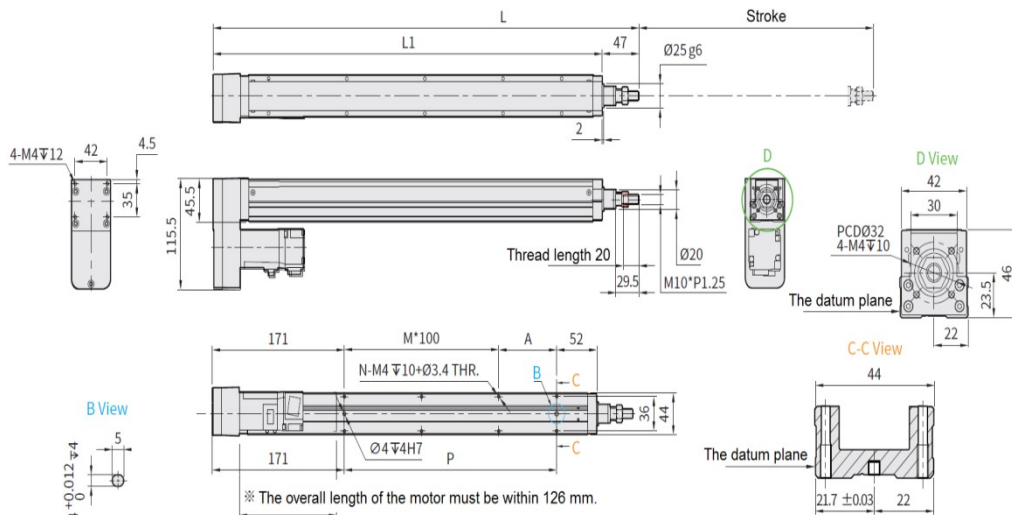
Cat :

Motor Direct - D



Stroke	50	100	150	200	250	300	350	400	450	500
L	313	363	413	463	513	563	613	663	713	763
L1	266	316	366	416	466	516	566	616	666	716
A	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5
N	6	6	8	8	10	10	12	12	14	14
P	25	75	125	175	225	275	325	375	425	475
Weight(Kg)	0.7	0.87	1.04	1.22	1.4	1.58	1.76	1.94	2.12	2.30

Motor Bottom Side - B



Stroke	50	100	150	200	250	300	350	400	450	500
L	295	345	395	445	495	545	595	645	695	745
L1	248	298	348	398	448	498	548	598	648	698
A	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4
N	4	4	6	6	8	8	10	10	12	12
P	25	75	125	175	225	275	325	375	425	475
Weight(Kg)	0.7	0.88	1.06	1.24	1.42	1.6	1.78	1.96	2.14	2.32

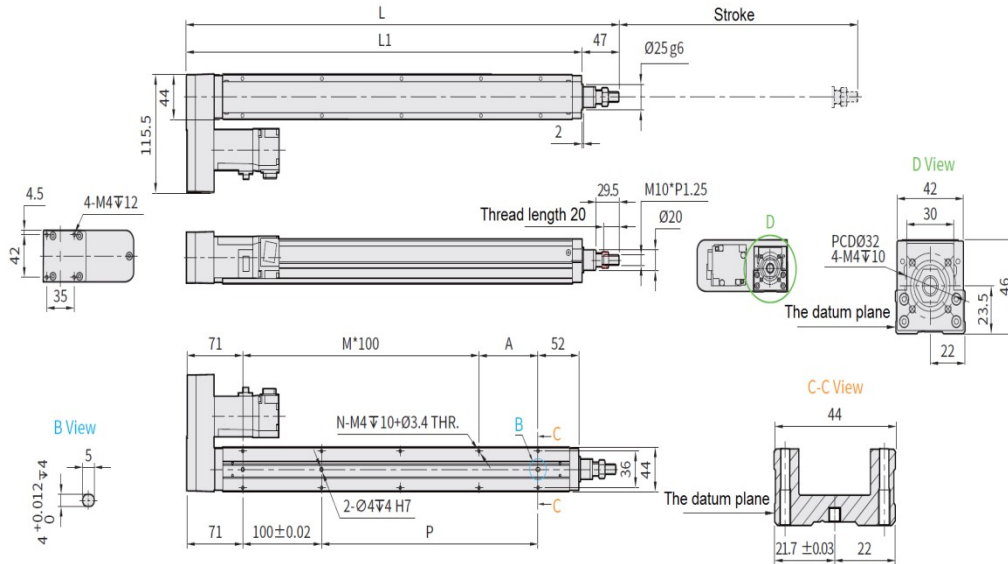
(Note: When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact us if you need more information.)

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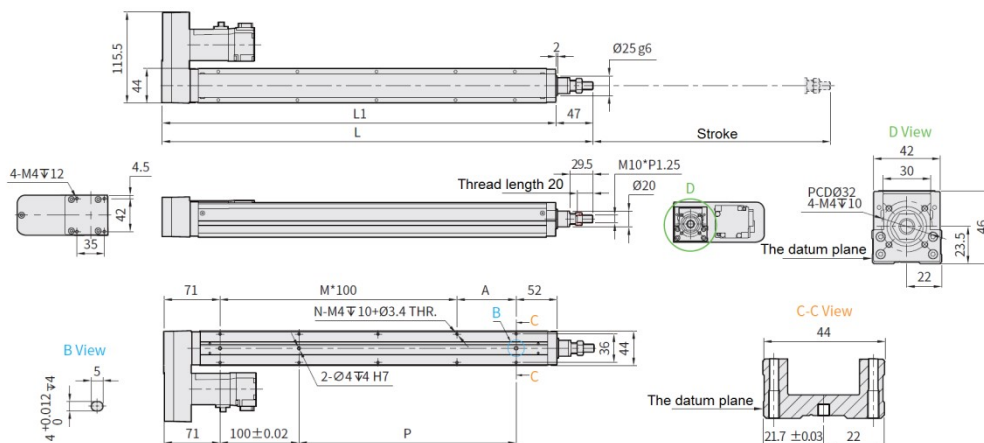
Cat :

Motor Left Side - L



Stroke	50	100	150	200	250	300	350	400	450	500
L	295	345	395	445	495	545	595	645	695	745
L1	248	298	348	398	448	498	548	598	648	698
A	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5
N	6	6	8	8	10	10	12	12	14	14
P	25	75	125	175	225	275	325	375	425	475
Weight(Kg)	0.7	0.88	1.06	1.24	1.42	1.6	1.78	1.96	2.14	2.32

Motor Right Side - R



Stroke	50	100	150	200	250	300	350	400	450	500
L	295	345	395	445	495	545	595	645	695	745
L1	248	298	348	398	448	498	548	598	648	698
A	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5
N	6	6	8	8	10	10	12	12	14	14
P	25	75	125	175	225	275	325	375	425	475
Weight(Kg)	0.7	0.88	1.06	1.24	1.42	1.6	1.78	1.96	2.14	2.32

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How to order

AERS044		Lead		Stroke		Motor Position		Motor Specification		Motor Power	
02	2mm	0050-0500mm		D	Direct	AC Servo		AC Servo		B 100W	
06	6mm			L	Left Side	D	Delta				
12	12mm			R	Right Side	Y	Yaskawa				
				B	Bottom Side	M	Mitsubishi				
						P	Panasonic				
						V	INVT				
						T	Others				
Brake		Gear Specification		Motor & Encoder Cable		I/O Cable		Customization Order no			
Nil	Without Brake	Nil	Without Gear Box	1	1m	N	Without Cable	X Special Requirements			
B	With Brake			3	3m	1	1m				
				5	5m	A	1.5m				
				T	10m	2	2m				

Example:

Order no. for Rod type ball screw electric actuator 44mm size, 6mm Lead, 200mm stroke with delta 100W servo motor mounted at the motor Direct, With 3m Motor & Encoder cable and 1.5m I/O cable.

AERS044060200D-DB-3A