

Performance Table --With Brushless DC Motor

Type	Rated Speed mm/s	Max. Dynamic Load N	Ratio	Brushless Motor Power	Self-locking Coefficient	Weight kg	Extra Weight per 100mm stroke kg
LA10	100	430	H2	0.15/0.21kW 3000 DC24V	0.40	3.2	0.4
	64	650	V2		0.41		
	37	800	H1		0.25		
	32	1150	N2		0.35		
	24	1200	V1		0.25		
	16	1950	L2		0.27		
	12	2000	N1		0.22		
	8	3000	XL2		0.18		
	6	3000	L1		0.16		
	3	3000	XL1	0.11			
LA20	100	580	H2	0.25/0.40kW 3000 DC48V	0.40	5.1	0.3
	64	880	V2		0.41		
	37	1100	H1		0.25		
	32	1550	N2		0.35		
	24	1600	V1		0.25		
	16	2650	L2		0.27		
	12	2800	N1		0.22		
	6	3000	L1		0.16		
		3	4000		XL1		
LA25	100	980	H2	0.5kW 3000 DC48V	0.38	5.8	0.5
	64	1500	V2		0.38		
	50	1600	H1		0.27		
	32	2700	N2		0.33		
	16	4500	L2		0.25		
	8	6000	L1		0.18		
		4	6000		XL1		
LA30	100	1300	V2	0.78kW 3000 DC48V	0.37	7.4	0.8
	50	2100	V1		0.25		
	25	4300	N2		0.28		
	16	6000	L2		0.22		
	12	6300	N1		0.20		
	8	10000	L1		0.16		
LA40	100	3000	V2	1.50kW 3000 DC310V	0.37	13	0.9
	50	4500	V1		0.26		
	25	9400	N2		0.25		
	20	11500	L2		0.24		
	12	12000	N1		0.18		
	9.5	12000	L1		0.17		

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Talent Actuator

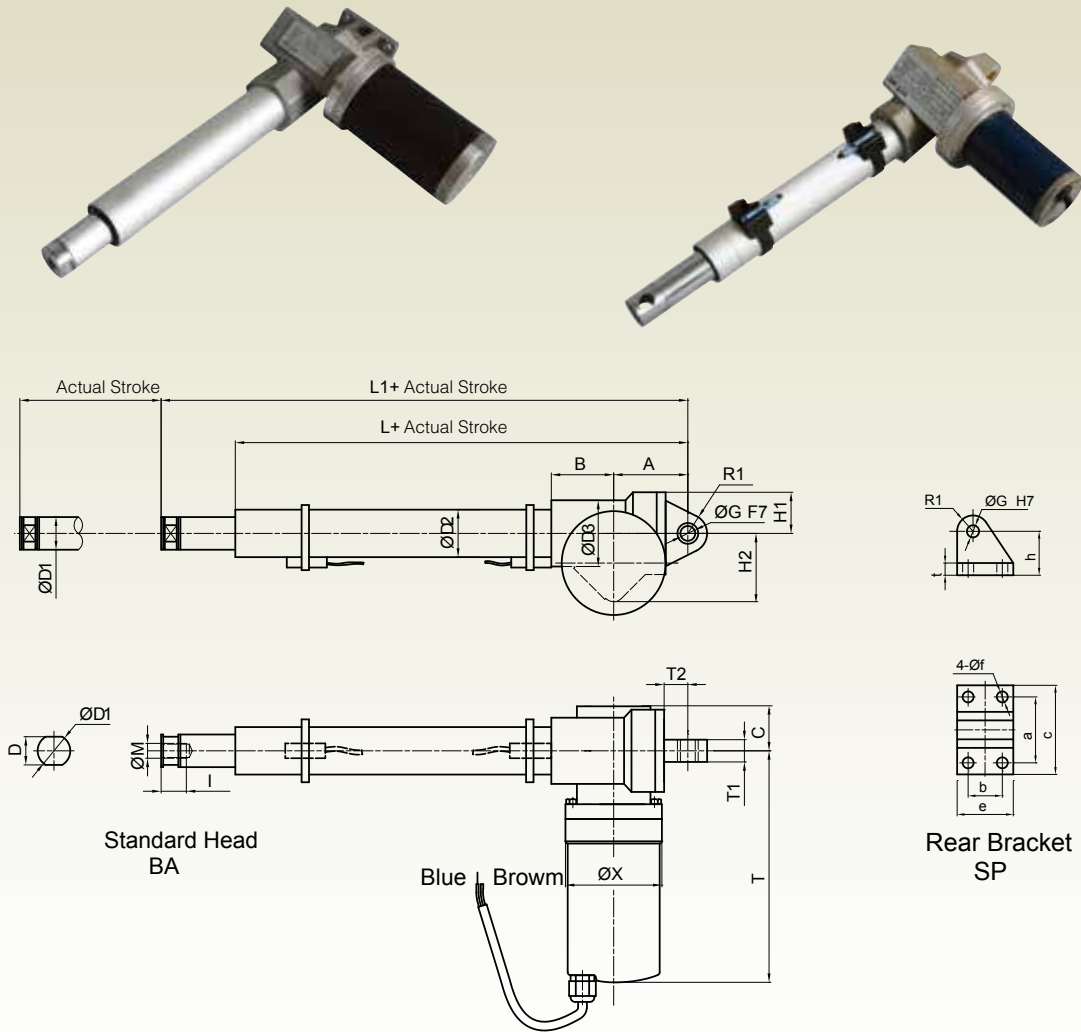
Note:

1. Ambient temperature of LA Series linear actuator is -15°C--- +40°C, please consult with Talent's engineers if the special temperature required.
2. Duty cycle is 30% at every 10min., if need 100% duty cycle, please contact us for LB ball screw series linear actuator.
3. Catalog and technical data are subject to change without prior notice.

# LA Series Linear Actuator

## Overall Dimension of LA Series Linear Actuator

### Dimension of LA Series



Model[Dimensions]	A	B	C	D	D1	D2	D3	G	H1	H2	I	L	L1	R1
LA10	55	54	35	22	25	36	54	10	31	77	17	166	220	13
LA20	68	54	45	22	25	36	65	12	50	80	25	180	235	17
LA25	69	54	45	27	30	45	65	12	50	80	25	189	252	17
LA30	78	62	50	50	35	55	78	14	60	92	30	212	276	18
LA40	104	78	57	57	40	60	92	20	70	115	40	262	339	28

Model[Dimensions]	M	T	T1	T2	X	a	b	c	e	f
LA10	M10x1.5	170	15	18	65	54	28	73	46	9
LA20	M10x1.5	200	17	20	65	62	32	80	50	9
LA25	M12x1.75	225	17	20	90	62	32	80	50	9
LA30	M14x2	255	20	20	90	72	38	90	58	9
LA40	M20x1.5	280	24	32	125	85	55	110	61	11

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## Dimension of LA series

Actual stroke with magnetic reed switches FCM

Stroke Code[mm]	100	200	300	400	500	600	700	800
LA10	73	173	273	373	473	573	673	773
LA20	72	172	272	372	472	572	672	772
LA25	66	166	266	366	466	566	666	766
LA30	68	168	268	368	468	568	668	768
LA40	63	163	263	363	463	563	663	763

## Positioning repeatability

For LA10, LA20, LA25, LA30:  $\pm(V/2400+0.05)$ mm;

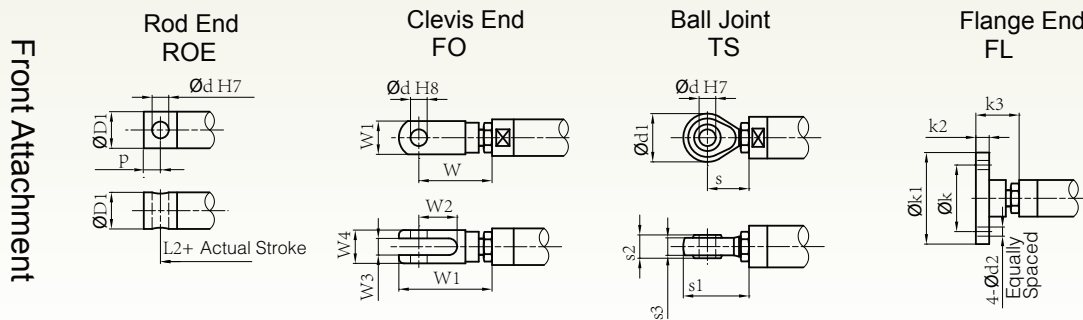
For LA40:  $\pm(V/1200+0.05)$ mm

\* "V" means rated speed at different ratio, please refer to the performance table.

E.g.:

LA20-H2, at Ratio H2, V=100mm/s, Positioning repeatability= $\pm(100/2400+0.05)=\pm 0.09$ mm

## Dimension of LA front attachments



Model[Dimensions]	d	d1	d2	k	k1	k2	k3	L2	P	s	s1	s2	s3	W
LA10	10	28	5.5	40	55	8	27	220	15	31	45	14	11	49
LA20	10	28	5.5	40	55	8	27	235	15	31	45	14	11	49
LA25	12	32	6.5	45	60	9	28	255	18	36	52	16	12	56
LA30	14	36	6.5	50	65	9	32	282	21	36	54	19	14	65
LA40	20	42	8.5	60	80	10	42	351	27	53	78	25	18	90

Model[Dimensions]	W1	W2	W3	W4
LA10	61	20	35	20
LA20	61	20	45	20
LA25	70	24	45	24
LA30	81	27	50	27
LA40	115	40	57	40

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