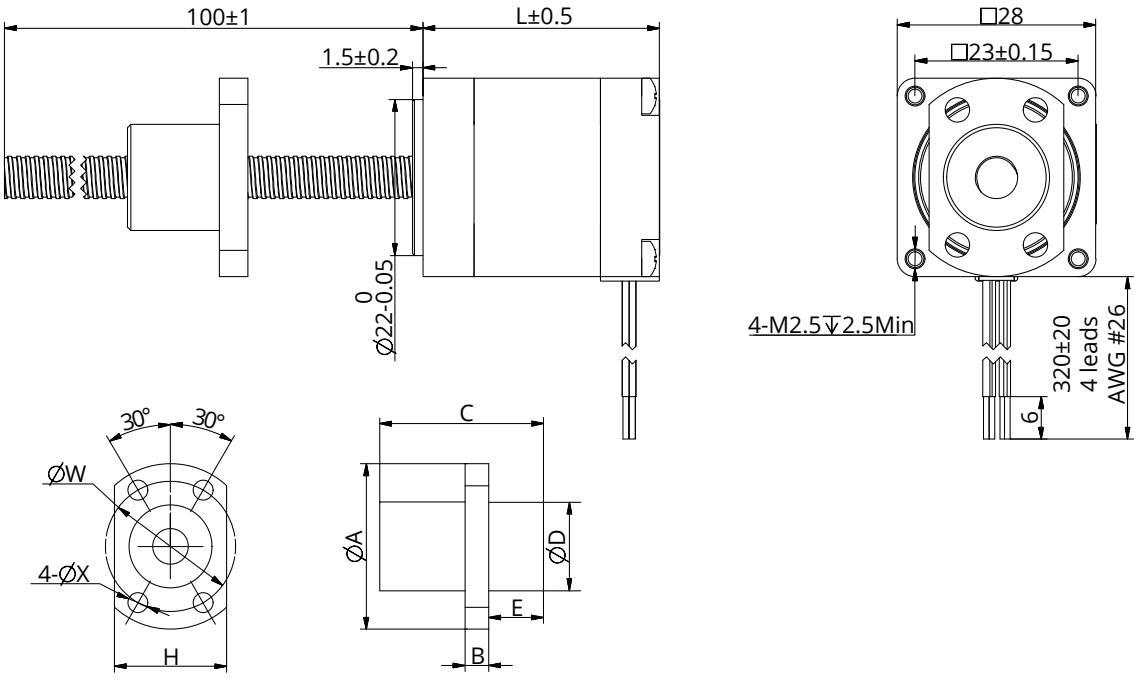
Size 11 (28mm) Series

Motor Characteristics

Motor	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Lead Wire No.	Motor Length (mm)
11E2110	2.1	1	2.1	1.5	4	33.35
11E2209	3.9	0.95	4.1	4	4	45

Dimensional Drawings



Stepper Ball Screw Specification

Ball screw type	0601	0602	0606	0610	0504
Ball size	Φ0.8	Φ0.8	Φ0.8	Φ1.2	Φ0.8
Number of thread	1	1	2	2	1
Thread direction	Right				
Shaft root dia	Φ5.3	Φ5.1	Φ5.2	Φ5.0	Φ4.3
Number of circuit	3.7×1	2.7×1	1.6×2	1.2×2	2.7×1
Shaft, nut material	SCM415H				
Surface hardness	HRC 58~62				
Anti-rust treatment	Anti-rust oil				
Grade	C7				

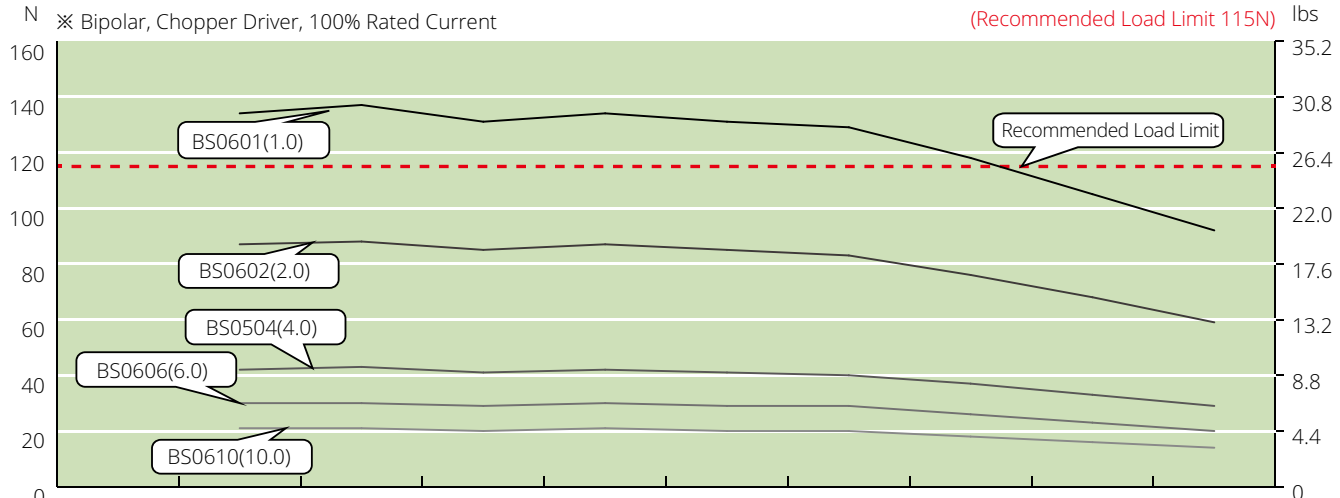
Nut Size	A	B	C	D	H	W	X	E	Position accuracy	Total run out	Axial play	Dynamic load (N)	Static load (N)
BS0601	26	4	17	13	16	20	3.4		±0.05	0.12	≤0.03	680	1200
BS0602	28	4	17	15	19	22	3.4		±0.05	0.12	≤0.03	750	1450
BS0606	27	4	17	14	16	21	3.4	5	±0.05	0.12	≤0.03	870	1600
BS0610	27	4	23	14	16	21	3.4	7.5	±0.05	0.12	≤0.03	950	1650
BS0504	24	4	22	12	16	18	3.4		±0.05	0.12	≤0.03	470	720

Note : All drawings are 1st Angle Projection - ISO Compliant (3D models available)

Size 11 (28mm) Series

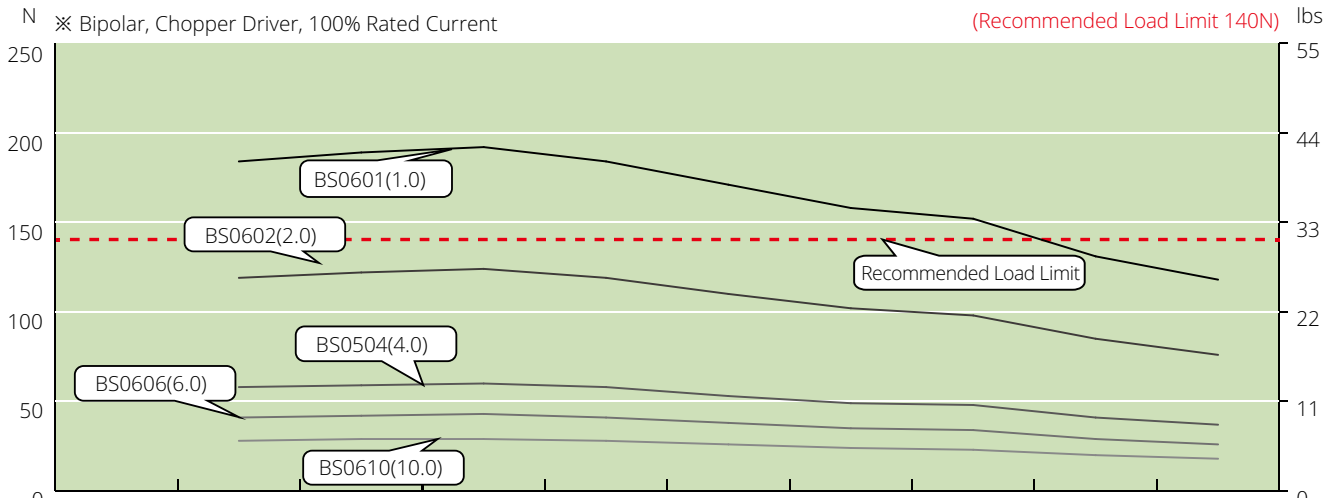
Speed Thrust Curves

Size 11 Single Stack Speed Thrust Curves



BS0504(mm/s)	2	4	8	10	20	30	40	50	60
BS0610(mm/s)	5	10	20	25	50	75	100	125	150
BS0606(mm/s)	3	6	12	15	30	45	60	75	90
BS0602(mm/s)	1	2	4	5	10	15	20	25	30
BS0601(mm/s)	0.5	1	2	2.5	5.0	7.5	10	12.5	15
Speed r/min	30	60	120	150	300	450	600	750	900
Pulse pps	100	200	400	500	1000	1500	2000	2500	3000

Size 11 Double Stack Speed Thrust Curves



BS0504(mm/s)	2	4	8	10	20	30	40	50	60
BS0610(mm/s)	5	10	20	25	50	75	100	125	150
BS0606(mm/s)	3	6	12	15	30	45	60	75	90
BS0602(mm/s)	1	2	4	5	10	15	20	25	30
BS0601(mm/s)	0.5	1	2	2.5	5	7.5	10	12.5	15
Speed r/min	30	60	120	150	300	450	600	750	900
Pulse pps	100	200	400	500	1000	1500	2000	2500	3000

TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).
Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.