

Servo Shaft _ 32 series Actuator and Component

Force

- Peak: 200-500N
- Continuous: 66-170N

Maximum Velocity

- Up to 4m/s

Built-in Feedback

- Can built-in position sensor
- Three differential sin wave signals, displaced by 120 degrees, +5VDC supply
- Industry standard 1V p-p sin/cos signals is optional
- Maximum 4 micron resolution and 8 micron repeatability

Range of motion

- 5mm-1100mm



32 Series Electrical Specification:

Parameters	Unit	SLM3204	SLM3205	SLM3206	SLM3207	SLM3208	SLM3209	SLM3210
Peak force	N	199.6	249.2	298.8	348.4	398	447.6	498.3
Continuous force	N	66.5	83.1	99.6	116.1	132.7	149.2	166.1
Peak current	A	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Continuous current	A	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Force constant	N/Arms	22.2	27.7	33.2	38.7	44.2	49.7	55.4
Back EMF constant	Vpk/m/s	18.1	22.6	27.1	31.6	36.1	40.6	45.2
Max speed	m/s	4	4	4	4	4	4	4
Peak acceleration	m/s/s	100	100	100	100	100	100	100
Max stroke	mm	1100	1083	1066	1049	1032	1015	998
Forcer W*H*L	mm	80*59*119	80*59*136	80*59*153	80*59*170	80*59*187	80*59*204	80*59*221
Rod diameter	mm	32	32	32	32	32	32	32
Built-in sensor	um	5-25	5-25	5-25	5-25	5-25	5-25	5-25
Encoder	um	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5	0.1-5
Inductance (phase to phase)	mH	1.6	2	2.4	2.8	3.2	3.6	4
Resistance (phase to phase)	omiga	3.52	4.4	5.28	6.2	7.04	7.92	8.8
Pole pitch	mm	34	34	34	34	34	34	34

* Parameters tolerance: 10%

32 SERIES OUTLINE DRAWINGS (Unit: mm)

