

### Force

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

### Maximum Velocity

- Up to 5m/s

### Built-in Feedback

- Can built-in position sensor
- Three differential sin wave signals displaced by 120 degrees or A quad B square wave . +5VDC supply.
- industry standard 1V pk-pk sin/cos signals is Optional.
- Maximum 4 micron resolution and 8 micron repeatability.



### Range of motion

- 5mm-1400mm

### Dimensions

- 32 series forcer: W\*H: 80\*59mm Rod diameter: 32mm

### Applications

- Packaging
- Material Handling
- Automated Assembly
- Bio-medical
- Semiconductor and Robot

### The OEM advantage

- Reliable and cost-effective
- Flexible position control
- High speed and acceleration
- Clean, quiet operation
- No maintenance or adjustment

The ServoShaft Actuator and component is an optimal solution for industrial position control. Faster than a ballscrew with the clean reliability of a linear forcer, ServoShaft Actuator and component is a cost-effective alternative to air cylinders in applications requiring greater flexibility and control.

The ServoShaft Actuator and component incorporates an IP67 rated forcer and a sealed stainless steel shaft rod enclosing rare-earth magnets. This model deliver a continuous force range of 66~170 N with peak forces up to 500 N . customized stroke lengths are available from 5~1400 mm.

The patented magnetic design of ServoShaft Actuator and component generates 8 micron repeatability and 400 micron accuracy from a non-contact, integral position sensor. No external

encoder is required. Position output is Three differential sin wave signals displaced by 120 degrees or A quad B square wave . +5VDC supply. industry standard 1V pk-pk sin/cos signals is Optional.

For ServoShaft Actuator an internal dry bearing provides clean, quiet, maintenance-free performance. Life expectancy far exceeds typical ballscrew solutions.

The ServoShaft Actuator and component is ideal for push/pull/lift material handling, packaging and automated assembly applications. ServoShaft accepts a range of industry standard accessories for simple mechanical integration.

Flexible mid-stroke position control is simple with tuning indexer complete with plug-and-play cabling. Simply select your ServoShaft model number and the system comes up tuned and ready to run. Clear diagnostics make system commissioning easy. Fill in the blanks to define position, velocity and acceleration.

Technosoft's IDM640 interfaces easily to PLC's and features CAN, CANopen network connectivity.

### Electrical specifications

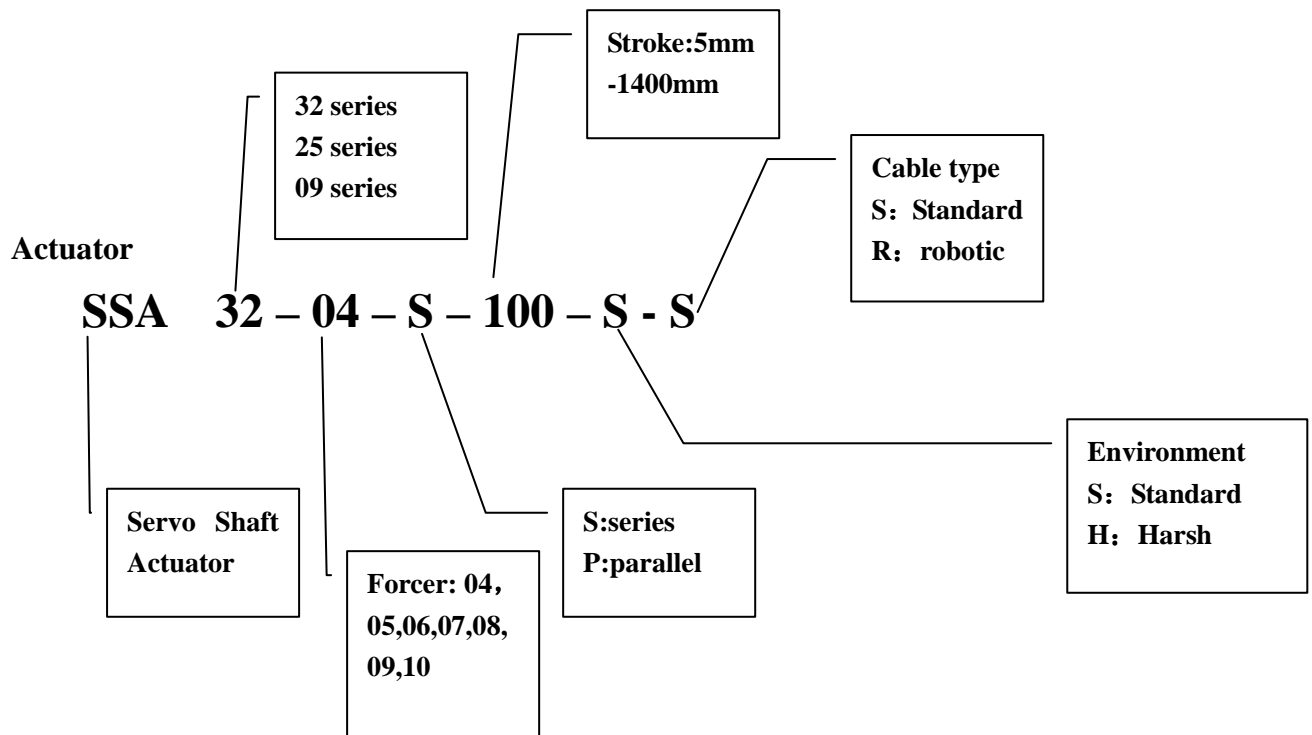
## 32 series

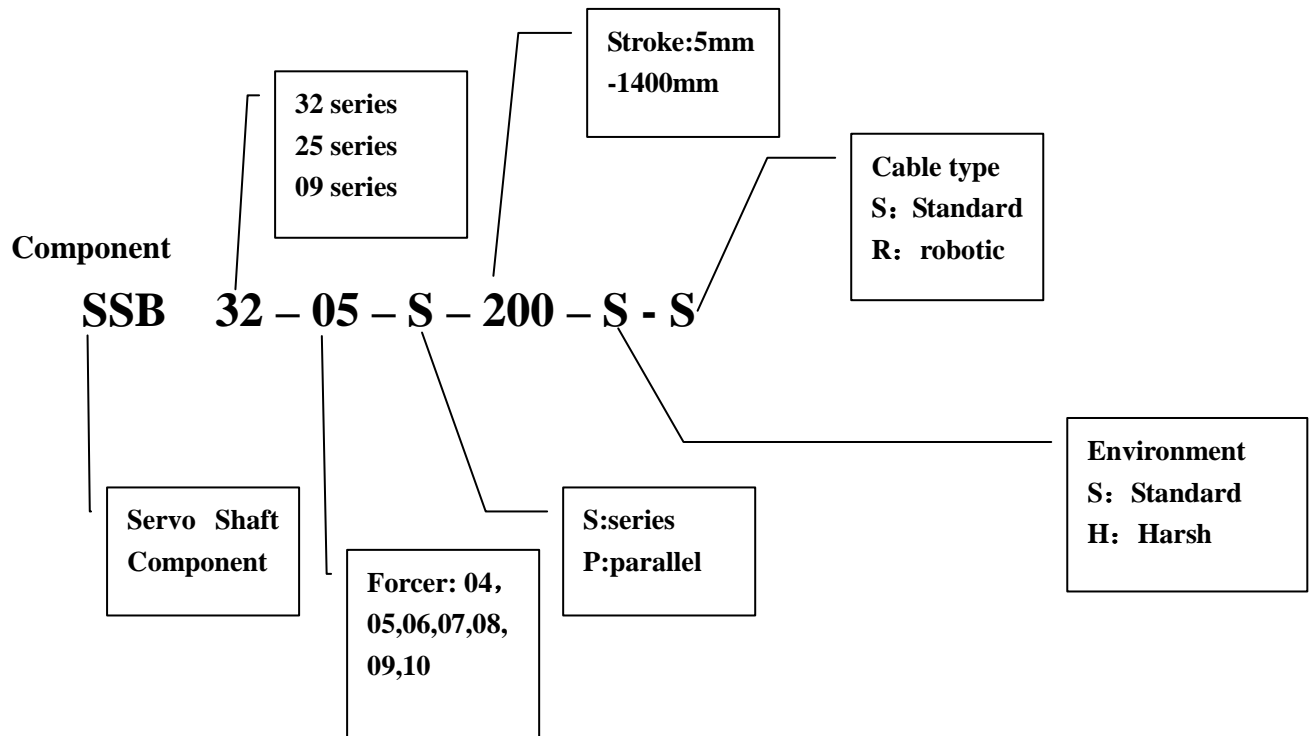
		3204	3205	3206	3207	3208	3209	3210
Peak force	N	199.6	249.2	298.8	348.4	398	447.6	498.3
Continuous force	N	66.5	83.1	99.6	116.1	132.7	149.2	166.1
Peak current	A	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Continuous current	A	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Force constant	N/Arms	22.2	27.7	33.2	38.7	44.2	49.7	55.4
Back EMF constant	Vpk/m/s	18.1	22.6	27.1	31.6	36.1	40.6	45.2
Max speed	m/s	5	5	5	5	5	5	5
Peak acceleration	m/s/s	200	200	200	200	200	200	200
Max stroke	mm	1400	1383	1366	1349	1332	1315	1298
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

## Servo Shaft 32 series Actuator and Component

Built-in sensor	um	5-25	5-25	5-25	5-25	5-25	5-25	5-25
Encoder	um	1-10	1-10	1-10	1-10	1-10	1-10	1-10
Inductance (phase to phase)	mH	0.8	1	1.2	1.4	1.6	1.8	2
Resistance (phase to phase)	omiga	1.76	2.2	2.64	3.1	3.52	3.96	4.4
Pole pitch	mm	34	34	34	34	34	34	34

### Oder information





### Spare part

