

## Intelligent stepper motor

- No need for separate motion controller.
- Inbuilt motor, driver and controller.

## Options

- Standard
- With rotary encoder (512 line)

## Separate motor controllers (single axis)

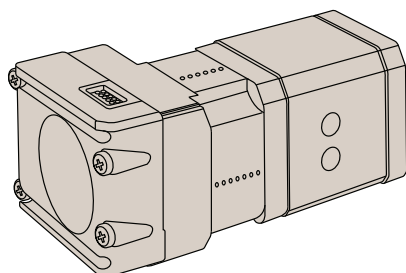
### Single axis stepper controller



### Single axis servo controller

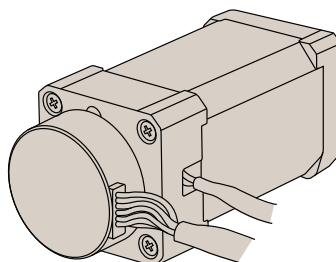


## Intelligent stepper motor



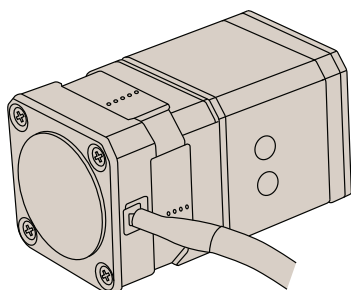
- Standard
- With rotary encoder (512 line)

## Stepper motor



- Standard
- With rotary encoder (1000 line)

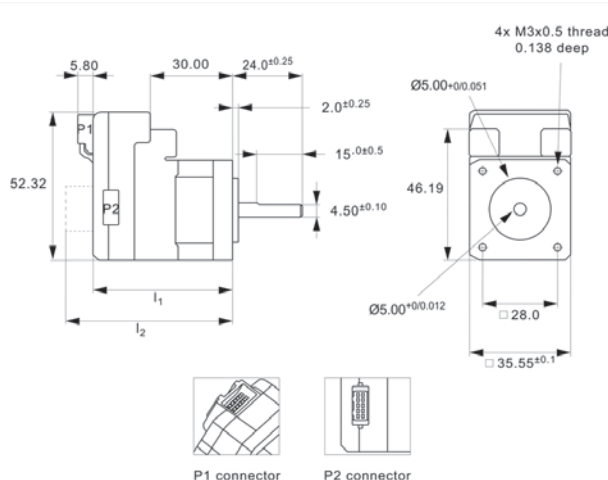
## Servo motor



- Standard
- With rotary encoder (1000 line)



## L3530



### Material

Combined 2 phase, high torque stepper motors with in-built power driver and controller. IP20 rated (IP 67 optional).

### Technical Notes

Allows easy control from a PC or PLC for single or multiple motors. Low cost alternative to motors, drivers and controllers. Easy to use free software, little cabling.

Voltage 12 to 48V DC.

20 microstepping resolutions up to 51,200 steps per rev.

Up to 8 I/O lines, one 10 bit selectable analogue input.

### Tips

Can readily be programmed in Labview, VB etc. The motor can be run independently from PC if required (programmed can be downloaded to motor). Easy connection via

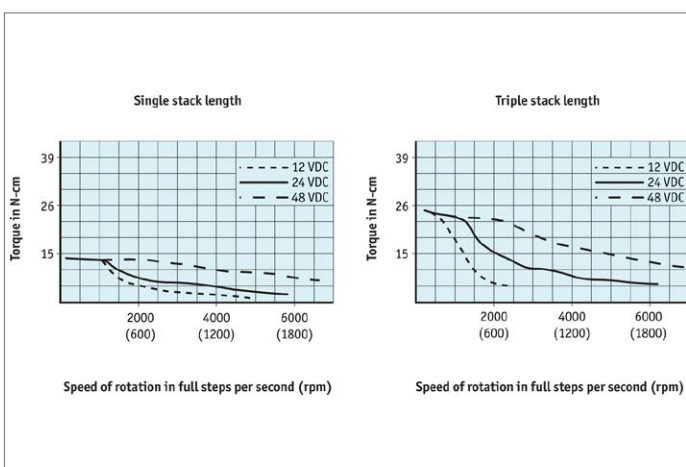
RS422/485.

Optional encoders, gearing, motor brake etc.

### Important Notes

We have a free motor selection help service - including a free motor configuration software programme and technical help to ensure the motor is to your requirement - please consult our technical department for full motor specifications.

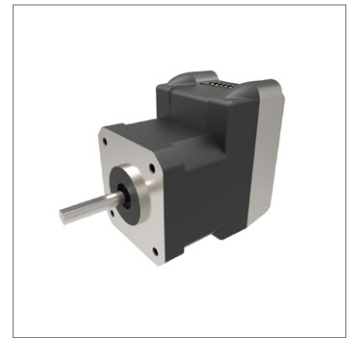
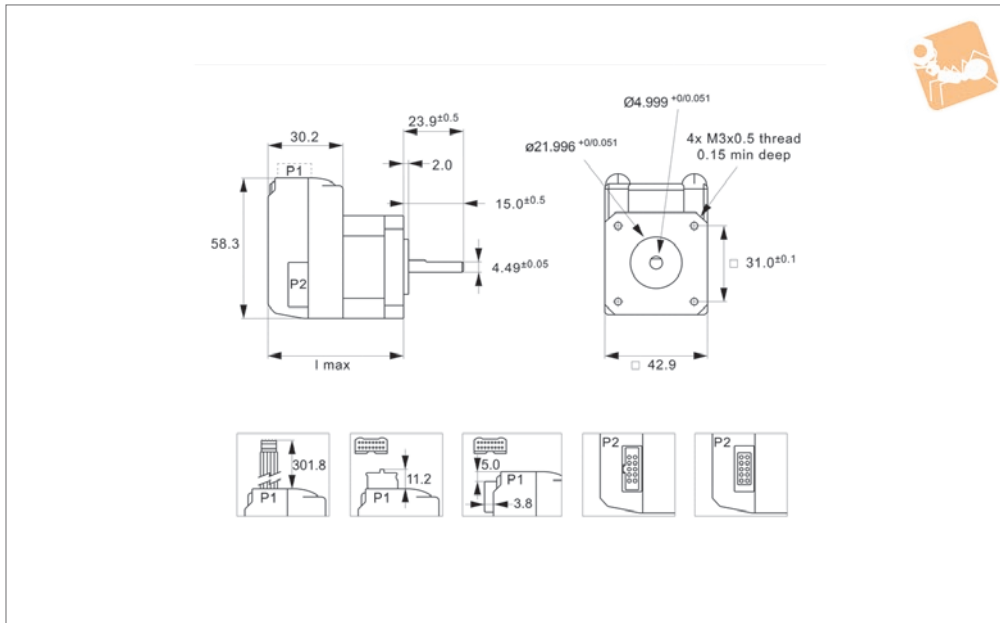
Order No.	Holding torque Nm	Flange dimensions	I <sub>1</sub> max.	I <sub>2</sub> max.	Shaft +0 -0.013	Rotor inertia kg·cm <sup>2</sup>	Weight kg
L3530.14-1	0.13	35x35	49	67	5.00	0.014	0.15
L3530.14-3	0.25	35x35	77	95	5.00	0.057	0.38





# Intelligent NEMA 17 Stepper Motors with mcode software

## Motorised Linear Stages



## L3532

MOTORISED LINEAR STAGES

### Material

Combined 2 phase, high torque stepper motors with in-built power driver and controller.  
IP20 rated (IP 67 optional).

### Technical Notes

Allows easy control from a PC or PLC for single or multiple motors. Low cost alternative to motors, drivers and controllers. Easy to use free software, little cabling.

Voltage 12 to 48V DC.

20 microstepping resolutions up to 51,200 steps per rev.  
Up to 8 I/O lines, one 10 bit selectable analogue input.

### Tips

Can readily be programmed in Labview, VB etc. The motor can be run independently from PC if required (programmed can be downloaded to motor). Easy connection via

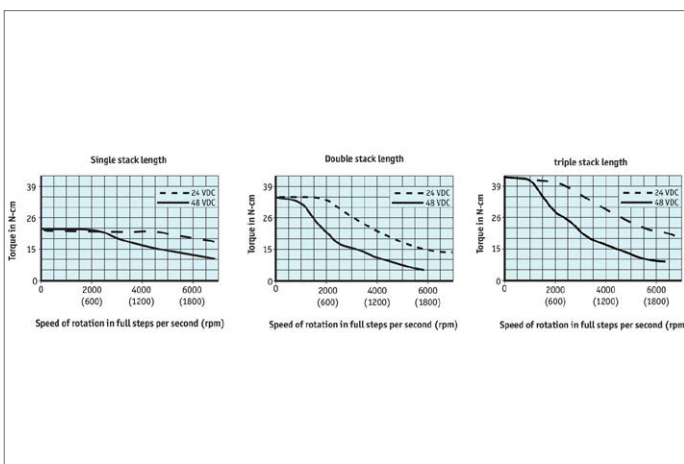
RS422/485.

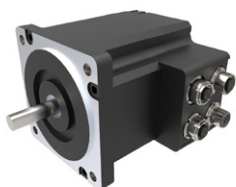
Optional encoders, gearing, motor brake etc.

### Important Notes

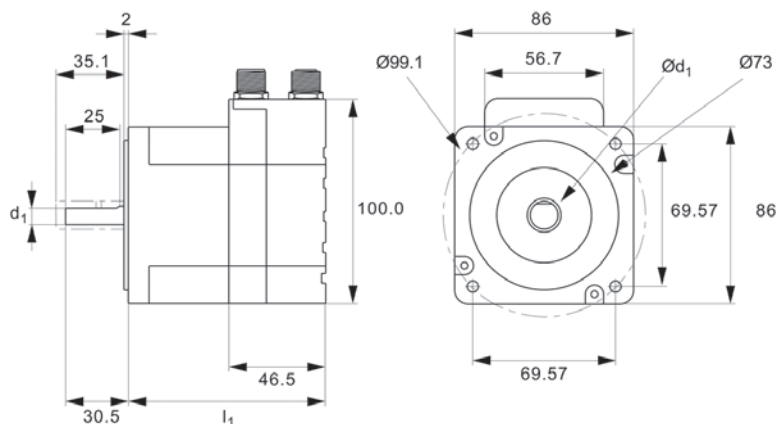
We have a free motor selection help service - including a free motor configuration software programme and technical help to ensure the motor is to your requirement - please consult our technical department for full motor specifications.

Order No.	Holding torque Nm	Flange dimensions	I <sub>L</sub> max.	Shaft +0/-0.013	Rotor inertia kg·cm <sup>2</sup>	Weight kg
L3532.17-1	0.23	43x43	56	5.00	0.038	0.30
L3532.17-2	0.42	43x43	62	5.00	0.057	0.34
L3532.17-3	0.53	43x43	71	5.00	0.082	0.43





### L3536



#### Material

Combined 2 phase, high torque stepper motors with in-built power driver and controller.  
IP42/55 rated (IP 67 optional).

#### Technical Notes

Allows easy control from a PC or PLC for single or multiple motors. Low cost alternative to motors, drivers and controllers. Easy to use free software, little cabling. The I/O points can be set up by users as Input or Output or as analogue input.

Resolution: 409600 counts/rev.  
Mainly supply voltage: 12-80V DC.  
Control and main I/O supply voltage: 12-28V DC.  
Nominal speed range 0.01-3000 rpm.

#### Tips

8 I/O's that can be configured to Inputs, Outputs or analogue Inputs.  
Can readily be programmed in Labview, VB etc. The motor can be run independently from PC if required (programmed can be downloaded to motor). Easy connection via

USB port, RS 485, optional wireless and ethernet control.  
Optional encoders, gearing, motor brake etc.

#### Important Notes

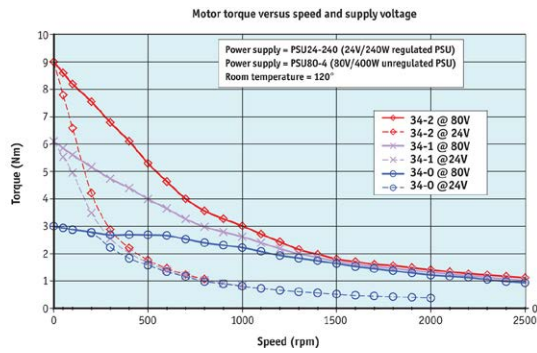
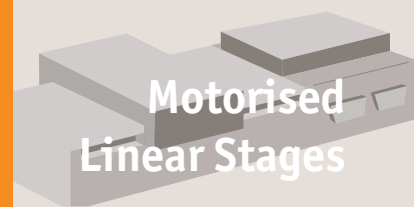
We have a free motor selection help service - including a free motor configuration software programme and technical help to ensure the motor is to your requirement - please consult our technical department for full motor specifications.

Order No.	Holding torque Nm	Flange dimensions	Length	Shaft +0 -0.013	Power W max.	Rotor inertia kg·cm <sup>2</sup>	Typical supply current @24V DC ADC RMS	Typical supply current @48V DC ADC RMS	Typical supply current @80V DC ADC RMS	Weight kg
L3536.34-0	3,0	87x87	95	9,53	260	1,4	5,1	5,1	5,1	2,0
L3536.34-1	6,1	87x87	126	9,53	288	2,7	5,6	5,3	5,6	3,1
L3536.34-2	9,0	87x87	156	14,0	315	4,0	6,0	5,4	6,1	4,2
L3536.34-3	10,5	87x87	220	14,0	>320	5,3	6,3	5,7	6,6	5,3



# Intelligent NEMA 34 Stepper Motors

with mactalk software





## Controllers

**L3294 Single axis stepper motor controller**

- Communicate via RS-232 or Ethernet interface
- Uses virtually any programming language

**L3295 Two axis stepper motor controller**

- Communicate via RS-232 or Ethernet interface
- Programming via Labup, VB, C++ and OSX etc.
- Stand alone programs can be downloaded
- Max output of 1.5A

**L3296 Multi axis stepper motor controller**

- Communicate via RS-232 or Ethernet interface
- Can control 4 axis and perform coordinated or independent motion of each or all the axis simultaneously
- Uses virtually any programming language

**L3297 Single axis servo motor controller**

- Communicate via RS-232 or Ethernet interface
- Uses virtually any programming language

## Accessories



Joysticks



Digital readout



Connector RS232-USB



Connector RS422-USB



These have major benefits as they combine the motor (from size NEMA17 up) with an inbuilt driver and controller.

- Stepper or servo motor versions.
- Simple to install
- CE certified
- Free software programming

### Plug and play

- Download free software
- Connect motor to computer (USB port)
- Connect power supply to the motor
- Start controlling/programming

## Positioning Stages from Automotion Components

MOTORISED LINEAR STAGES

- Low cost solution.
- The I/O points can be set by users to input, output or analogue input.
- NEMA17, 23, 34, 43 and larger sizes available.
- 12-48VDC.
- High torque stepper motors (1.2 to 10.5 Nm).
- Simple Windows software program provided free).
- Also Labview VB etc. programs.
- IP67, Motor brake.
- Optional Joysticks.