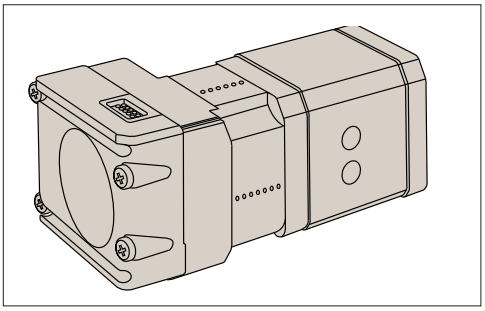


Intelligent stepper motor

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

Options

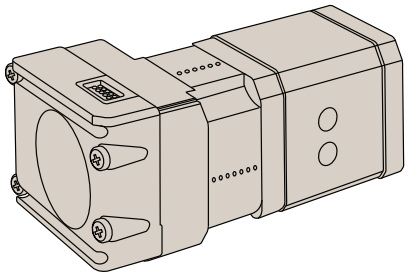
- Standard
- With rotary encoder (512 line)

Separate motor controllers (single axis)

Single axis stepper controller

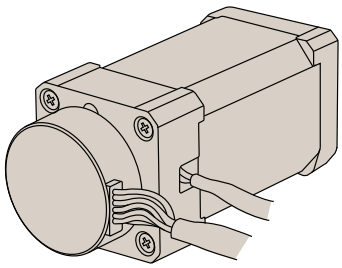
Single axis servo controller

Intelligent stepper motor



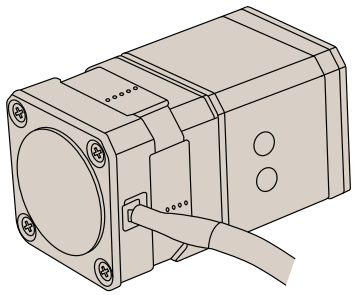
- Standard
- With rotary encoder (512 line)

Stepper motor



- Standard
- With rotary encoder (1000 line)

Servo motor



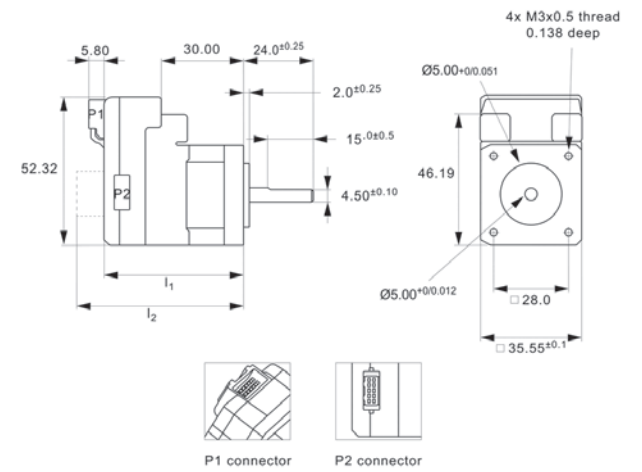
- Standard
- With rotary encoder (1000 line)

Positioning Stages from Automotion Components

MOTORISED LINEAR STAGES

Intelligent NEMA 14 Stepper Motors
with mcode software

L3530



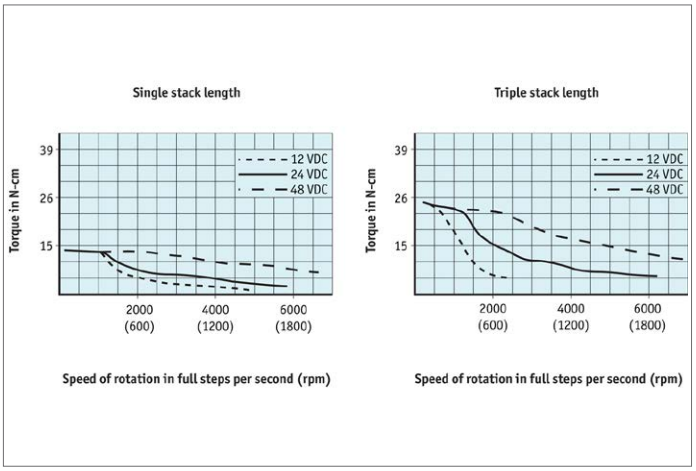
Material
Combined 2 phase, high torque stepper motors with in-built power driver and controller.
IP20 rated (IP 67 optional).

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	l_1 max.	l_2 max.	Shaft +0|-0.013	Rotor inertia kg·cm²	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



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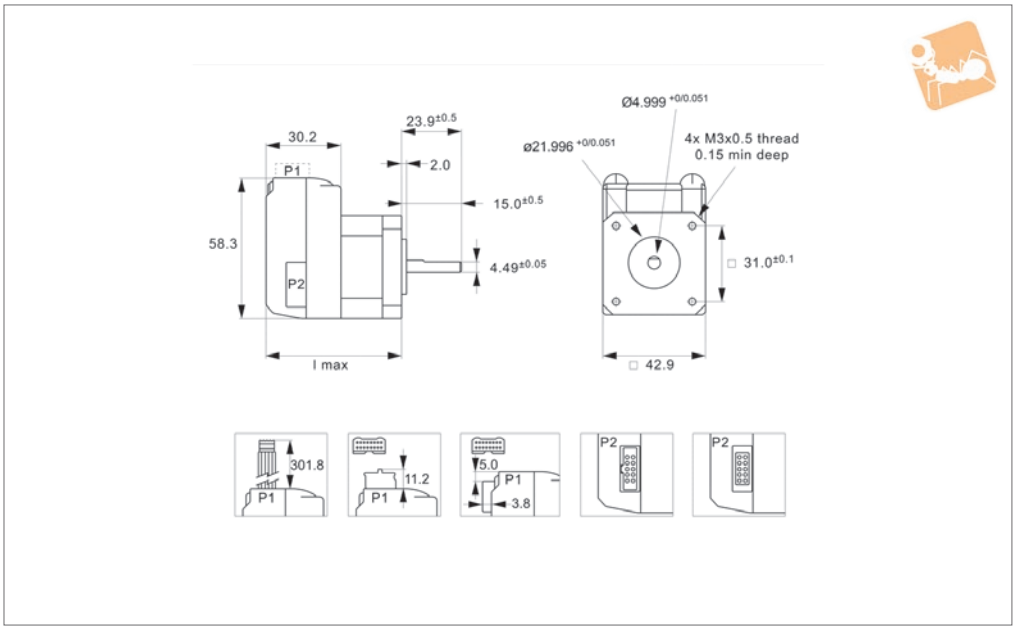
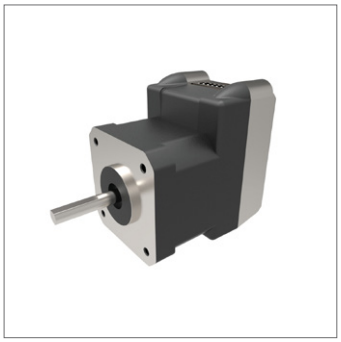




L3532

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

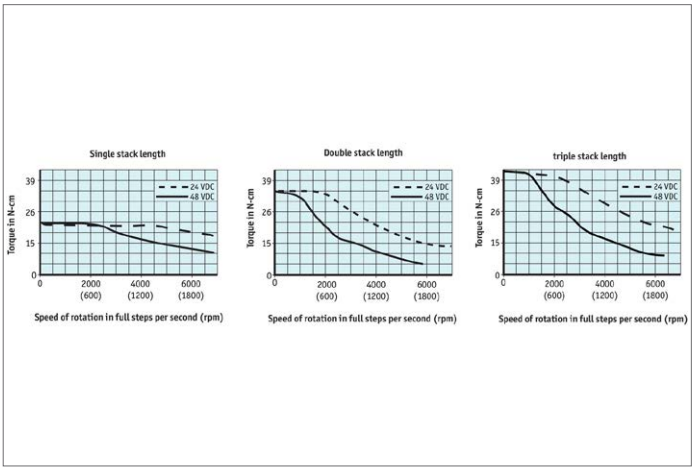
Technical Notes
Allows easy control from a PC or PLC for single or multiple motors. Low cost alternative to motors, drivers and controllers. Easy to use free software, little cabling.

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.

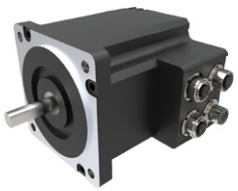
Tips
Can readily be programmed in Labview, VB etc. The motor can be run independently from PC if required (programmed can be downloaded to motor). Easy connection via RS422/485.
Optional encoders, gearing, motor brake etc.

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.

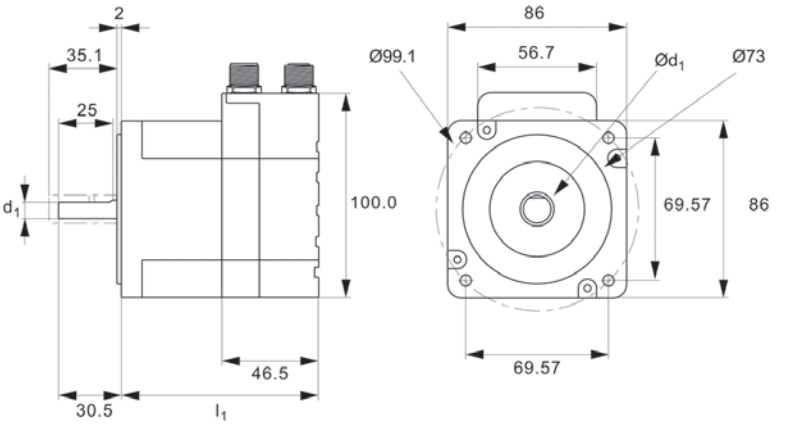
Order No.	Holding torque Nm	Flange dimensions	I_1 max.	Shaft +0|-0.013	Rotor inertia kg·cm²	Weight kg
L3532.17-1	0.23	43x43	56	5.00	0.038	0.30
L3532.17-2	0.42	43x43	62	5.00	0.057	0.34
L3532.17-3	0.53	43x43	71	5.00	0.082	0.43



Intelligent NEMA 34 Stepper Motors
with mactalk software



L3536



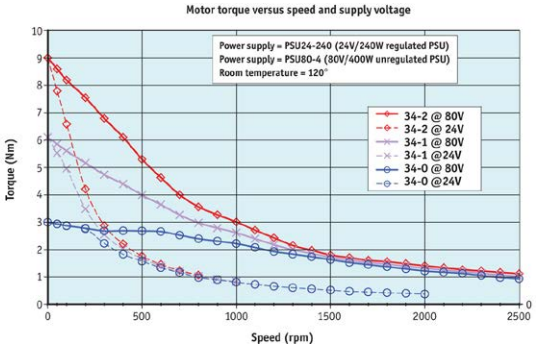
Material
Combined 2 phase, high torque stepper motors with in-built power driver and controller.
IP42/55 rated (IP 67 optional).

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·cm²	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


Motor torque versus speed and supply voltage
Power supply = PSU24-240 (24V/240W regulated PSU)
Power supply = PSU80-4 (80V/400W unregulated PSU)
Room temperature = 120°
34-2 @ 80V
34-2 @ 24V
34-1 @ 80V
34-1 @24V
34-0 @ 80V
34-0 @24V
Torque (Nm)
Speed (rpm)
0
1
2
3
4
5
6
7
8
9
10
500
1000
1500
2000
2500

Positioning Stages from Automotion Components

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 Labupu, 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 and 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

ov-motors-and-controllers-accessories-lnh - Updated - 02-03-2023

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

- 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.