

A graphic at the top of the page shows a close-up of a microchip with a grid of pins, resting on a blue circuit board with glowing white traces. The background is a solid dark blue.

Motor Catalogue

STEGIA
Innovative drive technology since 1993

Stegia has grown into a multinational group providing technically innovative motor solutions. We note with pleasure the appreciation of and the value placed on our investments by the market.

Our Head Office in Västerås, Sweden, has been supplemented by a production unit and motor development factory in Shanghai. Through strategic selection of areas, we continue to expand activities in manufacturing, development and cross border sales.

With 25 years' experience and creative engineers situated worldwide, we possess the resources required to handle large customers, large volumes, efficient design solutions and can make dynamic contributions to developing companies. With R&D in Sweden and production in China we have the best combination of cost, competence and efficiency.

Johan Stjernberg, Chief Executive Officer

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Rotary PM

15S Series



Key Features

- High torque
- Low noise
- Small size

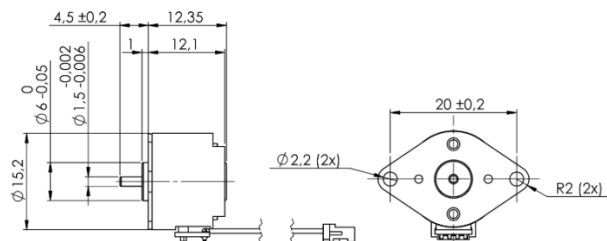
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Holding torque (mNm)	Detent torque (mNm)
15S20B1000	18	12	0,4	10	4,1	5,0	0,5
15S20B2000	18	12	0,4	20	6,7	7,8	0,6
15S40B1000	9	12	0,4	10	5,0	4,6	0,4
15S40B2000	9	12	0,4	20	6,5	6,0	0,5

Optional Features

- Integrated driver
- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

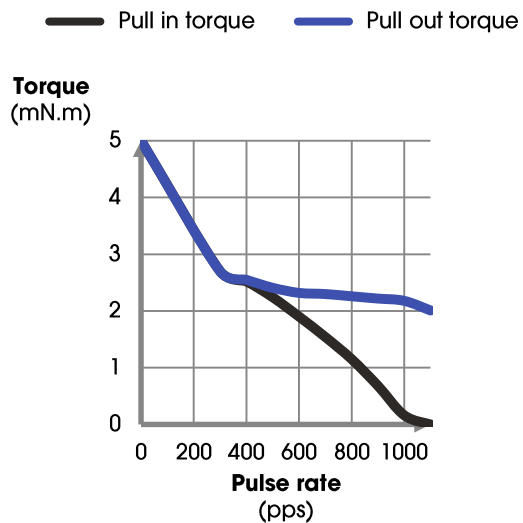
Mechanical Dimensions



Dynamic Torque Curves

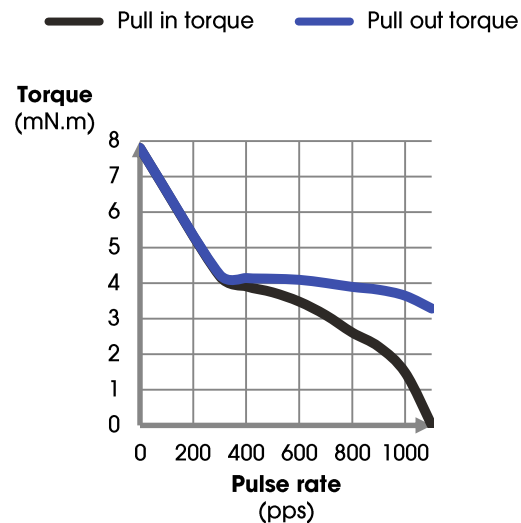
15S20B1000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



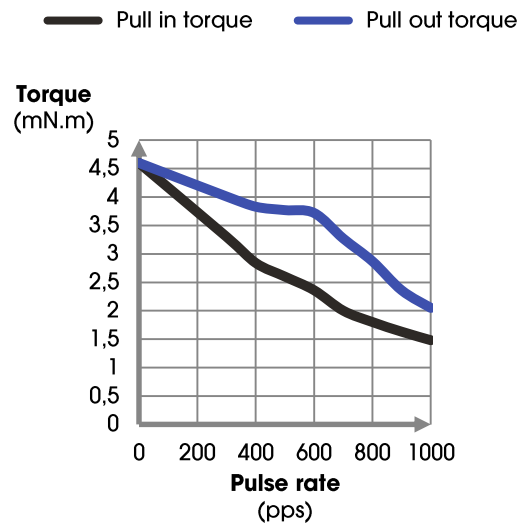
15S20B2000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



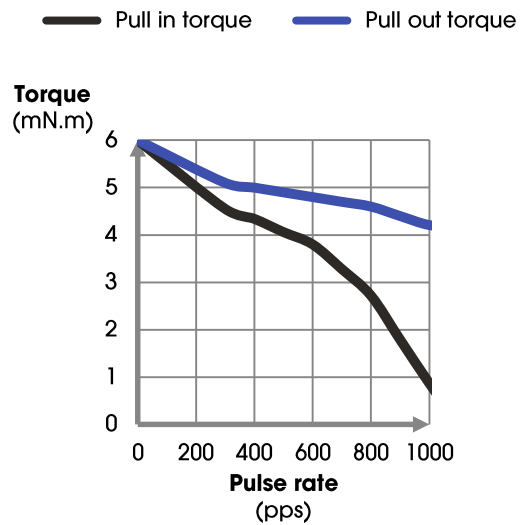
15S40B1000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



15S40B2000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25T Series



Key Features

- High torque
- Low noise
- Small size

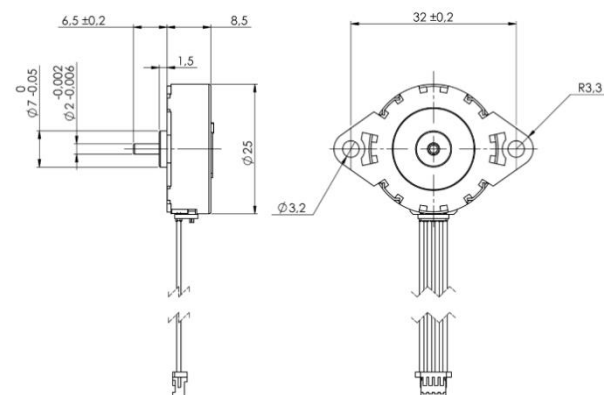
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Holding torque (mNm)	Detent torque (mNm)
25T24B1500	15°	24	0,4	15	5,6	12	2,2
25T24B2300	15°	24	0,4	23	6,3	13	2,2
24T48B1500	7,5°	24	0,4	15	8,0	21	2,7
25T48B2300	7,5°	24	0,4	23	8,8	22	2,7
25T96B1500	3,75°	24	0,4	15	10,7	17	1,8
25T96B2300	3,75°	24	0,4	23	10,3	20	1,8

Optional Features

- Integrated driver
- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

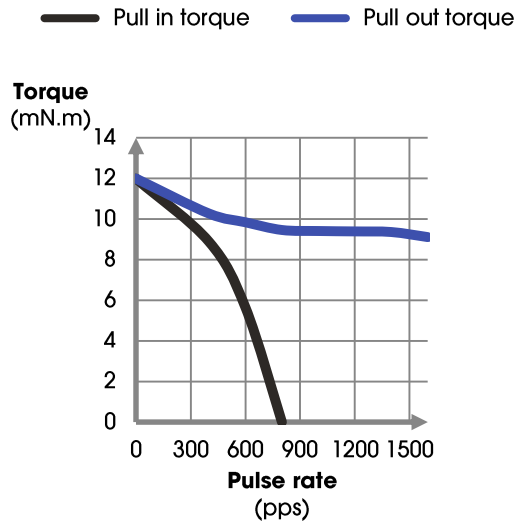
Mechanical Dimensions



Dynamic Torque Curves

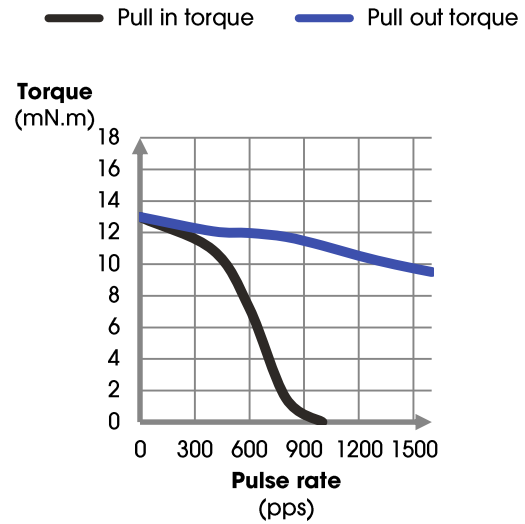
25T24B1500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



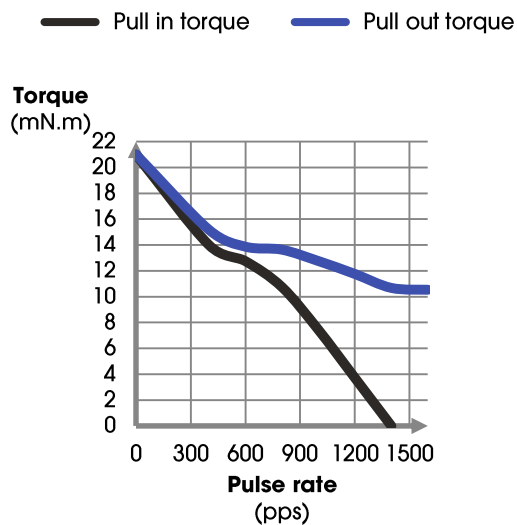
25T24B2300

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



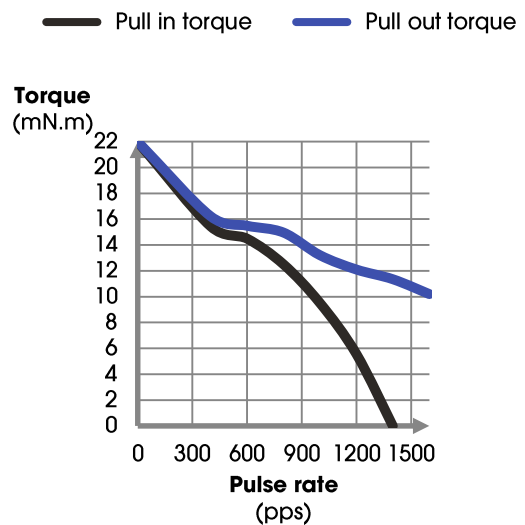
25T48B1500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25T48B2300

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

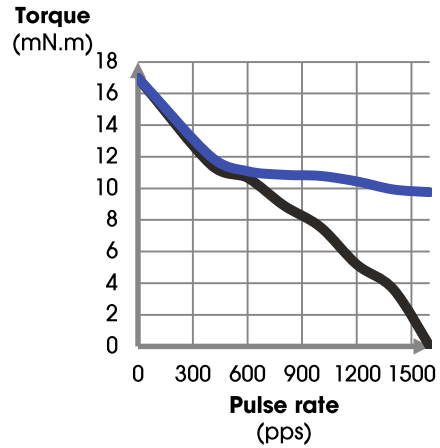


Dynamic Torque Curves

25T96B1500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

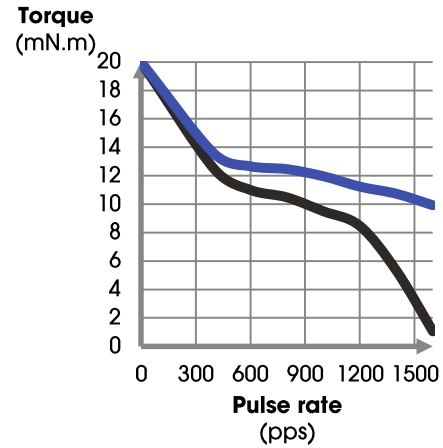
— Pull in torque — Pull out torque



25T96B2300

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

— Pull in torque — Pull out torque



25L Series



Key Features

- High torque
- Low noise
- Small size

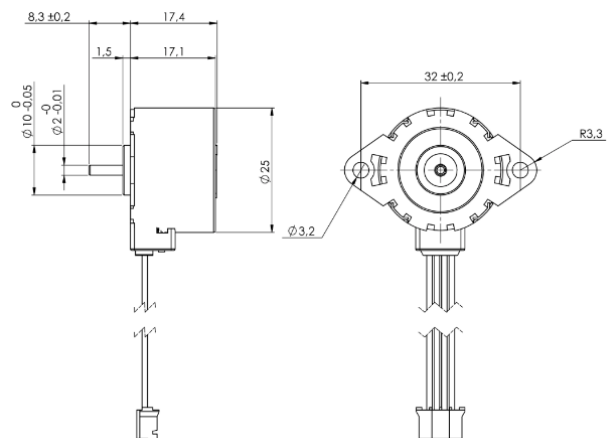
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Holding torque (mNm)	Detent torque (mNm)
25L24B0900	15°	24	0,5	9	6,7	35	4,8
25L24B2500	15°	24	0,5	25	17,6	45	4,8
24L48B0900	7,5°	24	0,5	9	8,7	43	5,0
25L48B2500	7,5°	24	0,5	25	21,3	45	5,0

Optional Features

- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

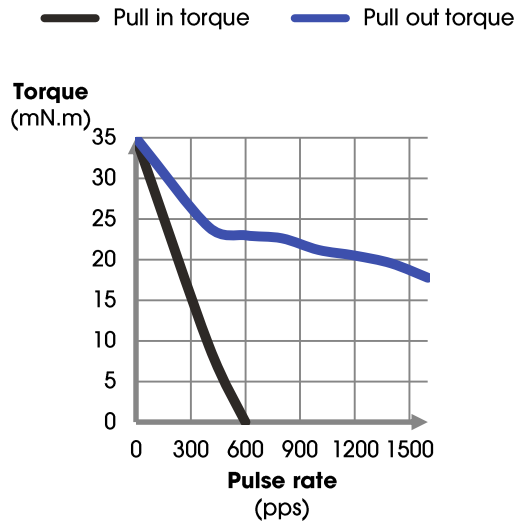
Mechanical Dimensions



Dynamic Torque Curves

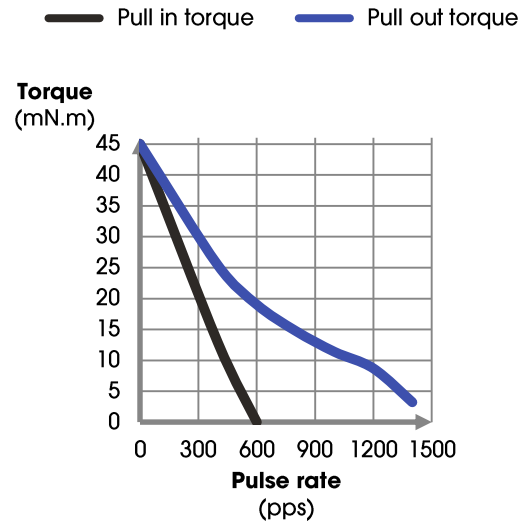
25L24B0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



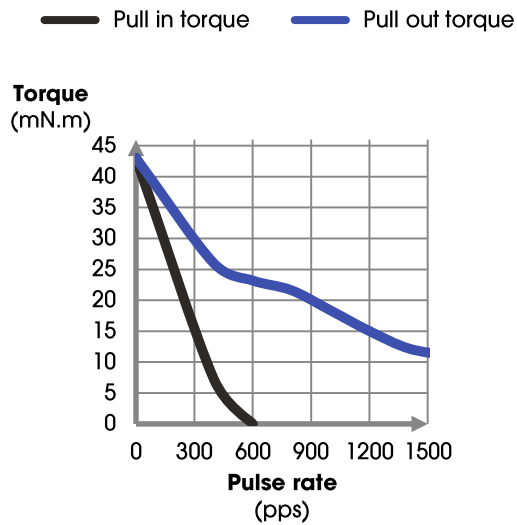
25L24B2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



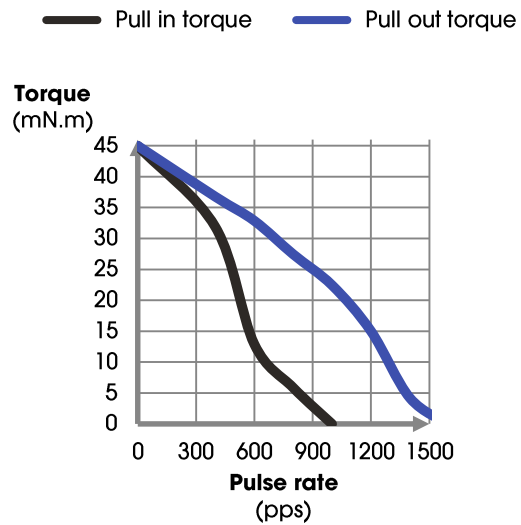
25L48B0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25L48B2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35S Series



Key Features

- High torque
- Low noise
- Small size

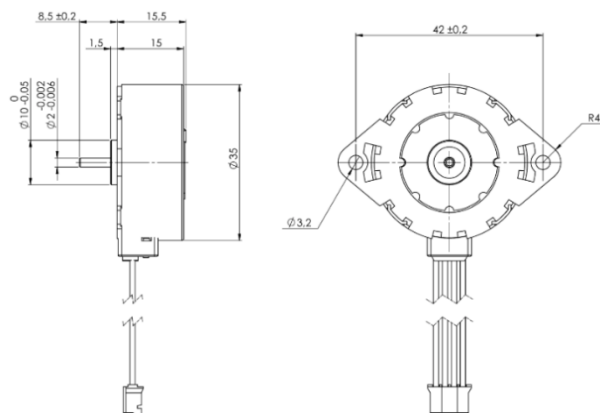
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Holding torque (mNm)	Detent torque (mNm)
35S24B0700	15°	24	0,5	7,5	7,3	38	5,0
35S24B2500	15°	24	0,5	25	22,3	60	5,0
35S48B0700	7,5°	24	0,5	7,5	10	50	7,0
35S48B2500	7,5°	24	0,5	25	27,2	80	8,0
35S96B0700	3,75°	24	0,5	7,5	11,9	35	4,5
35S96B2500	3,75°	24	0,5	25	37	45	4,5

Optional Features

- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

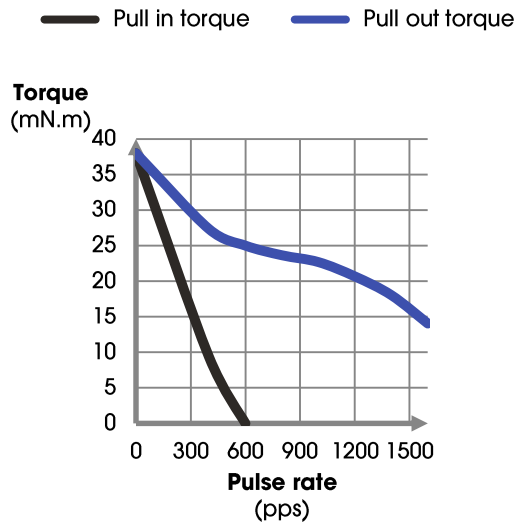
Mechanical Dimensions



Dynamic Torque Curves

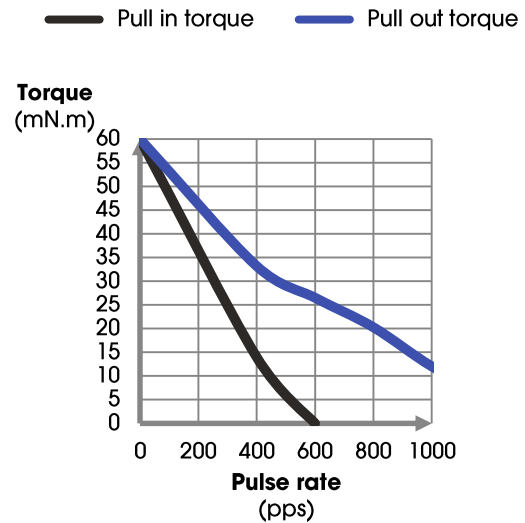
35S24B0700

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



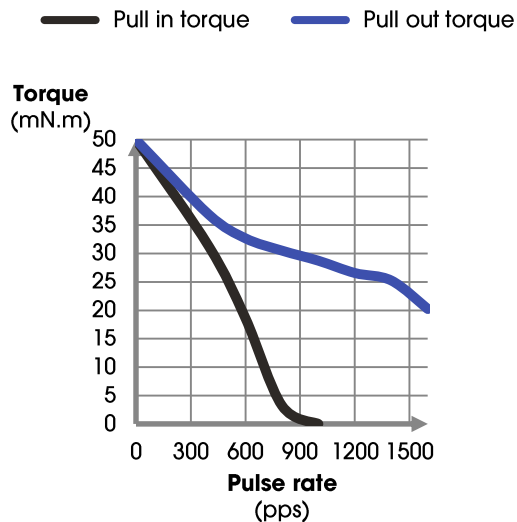
35S24B2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



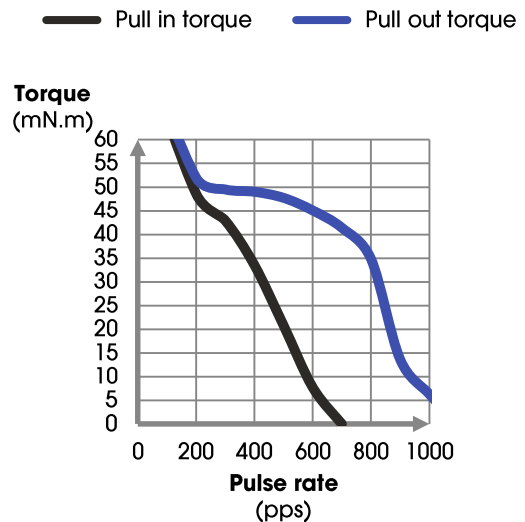
35S48B0700

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35S48B2500

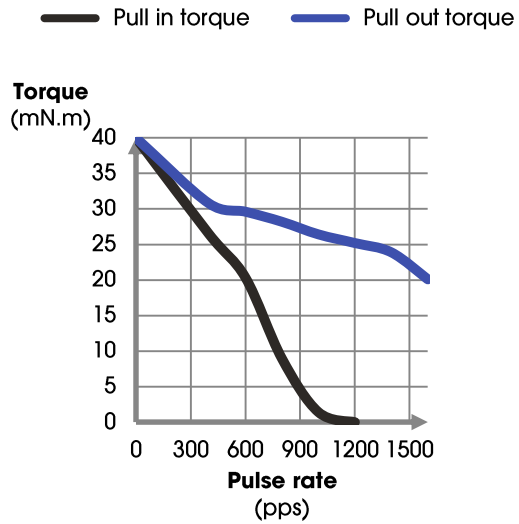
Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Dynamic Torque Curves

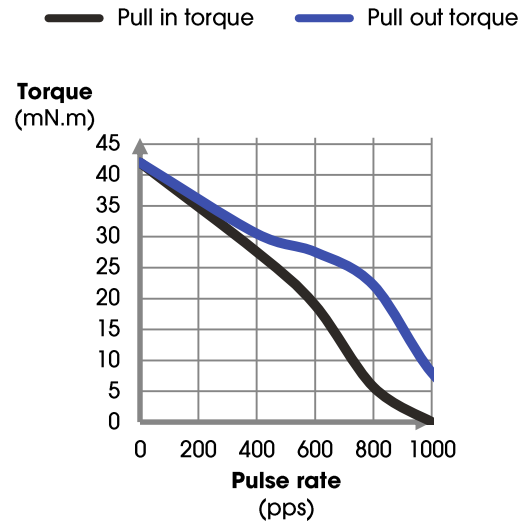
35S96B0700

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35S96B2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Rotary PM with Gearbox

15SG Series

Key Features

- High torque
- Low noise
- Small size
- Motor step angle 9° & 18°



General Specifications

Series	Reduction (:1)	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Holding torque (mNm)
15SG20B10R034-00	34	0,529°	12	0,4	10	4,1	170
15SG20B10R053-00	53	0,340°	12	0,4	10	4,1	260
15SG20B10R097-00	97	0,186°	12	0,4	10	4,1	400
15SG20B10R150-00	150	0,120°	12	0,4	10	4,1	400
15SG20B10R420-00	420	0,043°	12	0,4	10	4,1	400
15SG20B20R034-00	34	0,529°	12	0,4	20	6,7	260
15SG20B20R053-00	53	0,340°	12	0,4	20	6,7	400
15SG20B20R097-00	97	0,186°	12	0,4	20	6,7	400
15SG20B20R150-00	150	0,120°	12	0,4	20	6,7	400
15SG20B20R420-00	420	0,043°	12	0,4	20	6,7	400
15SG40B10R034-00	34	0,265°	12	0,4	10	5	150
15SG40B10R053-00	53	0,170°	12	0,4	10	5	240
15SG40B10R097-00	97	0,093°	12	0,4	10	5	400

15SG40B10R150-00	150	0,060°	12	0,4	10	5	400
15SG40B10R420-00	420	0,021°	12	0,4	10	5	400
15SG40B20R034-00	34	0,265°	12	0,4	20	6,5	200
15SG40B20R053-00	53	0,170°	12	0,4	20	6,5	310
15SG40B20R097-00	97	0,093°	12	0,4	20	6,5	400
15SG40B20R150-00	150	0,060°	12	0,4	20	6,5	400
15SG40B20R420-00	420	0,021°	12	0,4	20	6,5	400

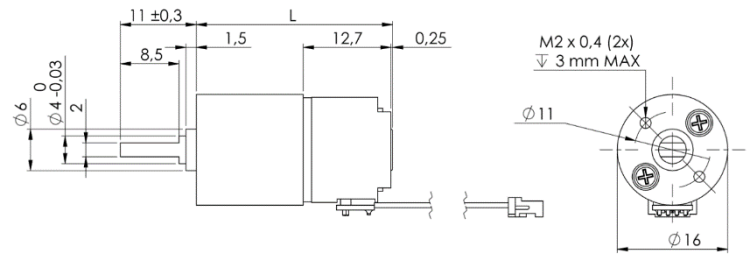
Optional Features

- Integrated driver
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Length

- 28,5mm for 34:1 & 53:1
- 30,0mm for 97:1 & 150:1
- 31,6mm for 420:1

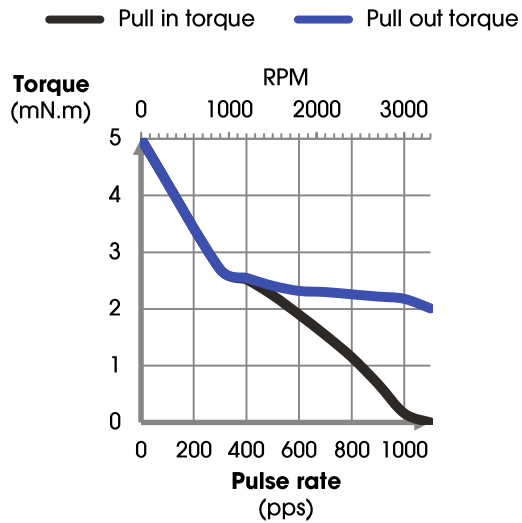
Mechanical Dimensions



Dynamic Torque Curves

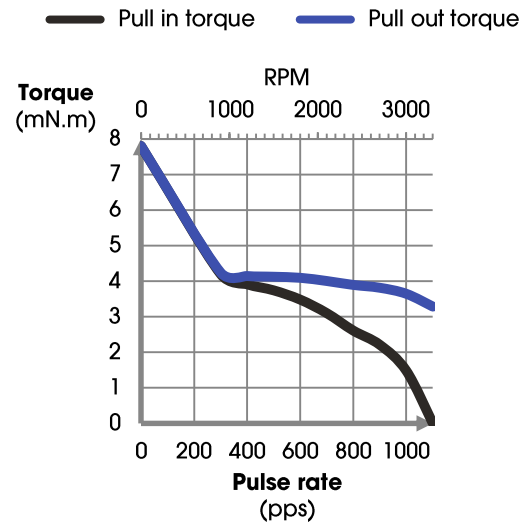
15SG20B10

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



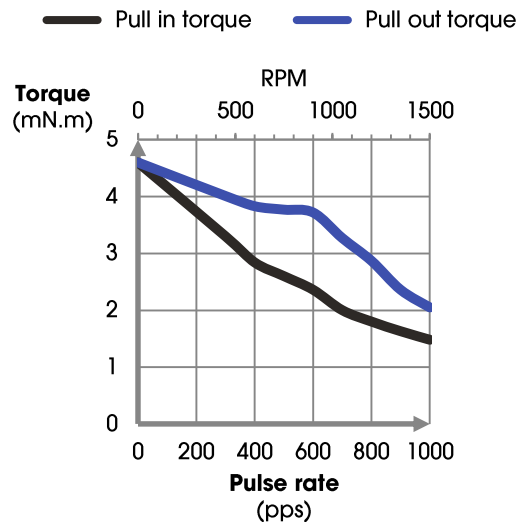
15SG20B20

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



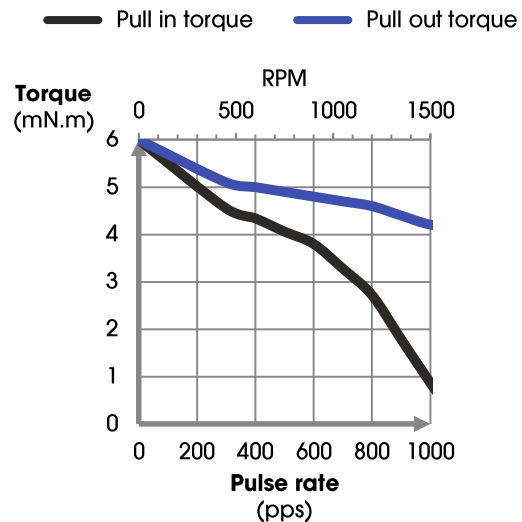
15SG40B10

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



15SG40B20

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25TSG Series



Key Features

- High torque
- Low noise
- Small size
- Motor step angle 3,75° & 7,5° & 15°
-

General Specifications

Series	Reduction (:1)	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Holding torque (mNm)
25TSG24B06R010-00	10	1,5°	24	0,4	6	2,3	80
25TSG24B06R021-00	21	0,714°	24	0,4	6	2,3	168
25TSG24B06R043-00	43	0,349°	24	0,4	6	2,3	344
25TSG24B06R090-00	90	0,167°	24	0,4	6	2,3	400
25TSG24B06R188-00	188	0,080°	24	0,4	6	2,3	400
25TSG24B06R392-00	392	0,038°	24	0,4	6	2,3	400
25TSG24B23R010-00	10	1,5°	24	0,4	23	6,3	130
25TSG24B23R021-00	21	0,714°	24	0,4	23	6,3	273
25TSG24B23R043-00	43	0,349°	24	0,4	23	6,3	400
25TSG24B23R090-00	90	0,167°	24	0,4	23	6,3	400
25TSG24B23R188-00	188	0,080°	24	0,4	23	6,3	400
25TSG24B23R392-00	392	0,038°	24	0,4	23	6,3	400
25TSG48B06R010-00	10	0,75°	24	0,4	6	2,8	140
25TSG48B06R021-00	21	0,357°	24	0,4	6	2,8	294

25TSG48B06R043-00	43	0,174°	24	0,4	6	2,8	400
25TSG48B06R090-00	90	0,083°	24	0,4	6	2,8	400
25TSG48B06R188-00	188	0,040°	24	0,4	6	2,8	400
25TSG48B06R392-00	392	0,019°	24	0,4	6	2,8	400
25TSG48B23R010-00	10	0,75°	24	0,4	23	8,8	220
25TSG48B23R021-00	21	0,357°	24	0,4	23	8,8	400
25TSG48B23R043-00	43	0,174°	24	0,4	23	8,8	400
25TSG48B23R090-00	90	0,083°	24	0,4	23	8,8	400
25TSG48B23R188-00	188	0,040°	24	0,4	23	8,8	400
25TSG48B23R392-00	392	0,019°	24	0,4	23	8,8	400
25TSG96B06R010-00	10	0,375°	24	0,4	6	3,8	150
25TSG96B06R021-00	21	0,179°	24	0,4	6	3,8	315
25TSG96B06R043-00	43	0,087°	24	0,4	6	3,8	400
25TSG96B06R090-00	90	0,042°	24	0,4	6	3,8	400
25TSG96B06R188-00	188	0,020°	24	0,4	6	3,8	400
25TSG96B06R392-00	392	0,010°	24	0,4	6	3,8	400
25TSG96B23R010-00	10	0,375°	24	0,4	6	3,8	200
25TSG96B23R021-00	21	0,179°	24	0,4	6	3,8	400
25TSG96B23R043-00	43	0,087°	24	0,4	6	3,8	400
25TSG96B23R090-00	90	0,042°	24	0,4	6	3,8	400

25TSG96B23R188-00	188	0,020°	24	0,4	6	3,8	400
25TSG96B23R392-00	392	0,010°	24	0,4	6	3,8	400

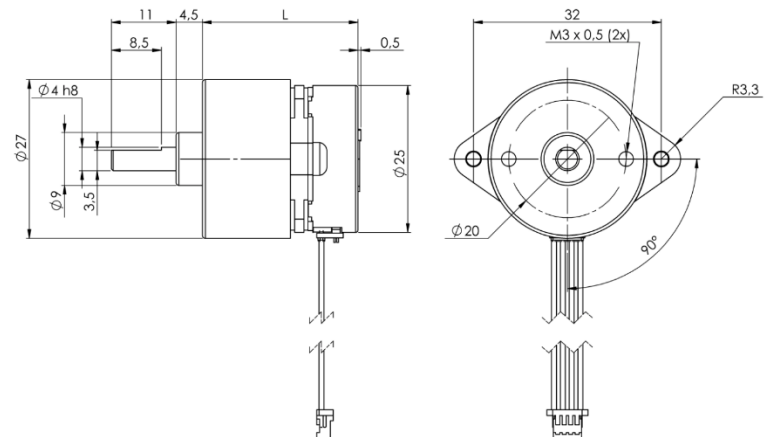
Optional Features

- Integrated driver
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Length

- 26,5mm for 10:1 & 21:1
- 31,5mm for 43:1 & 90:1
- 36,5mm for 188:1 & 392:1

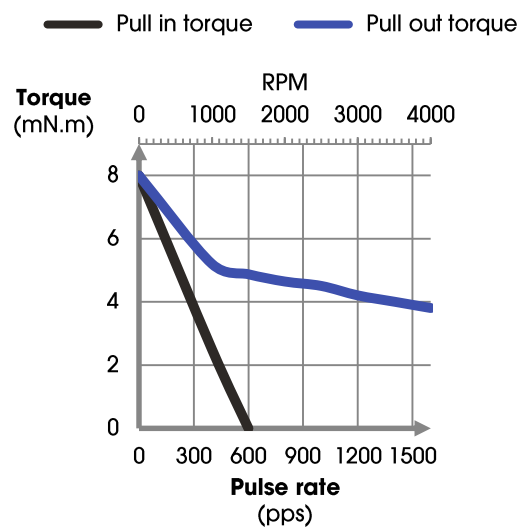
Mechanical Dimensions



Dynamic Torque Curves

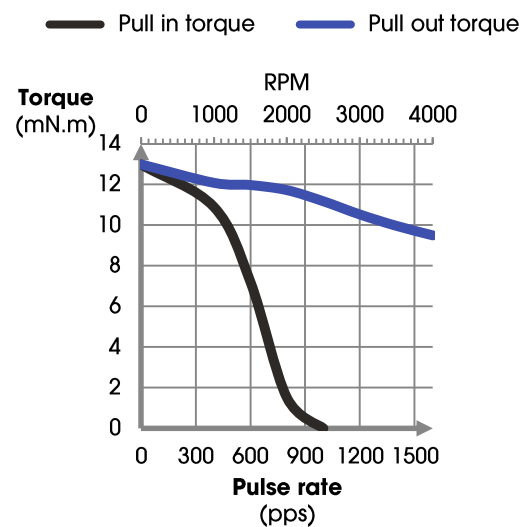
25TSG24B06

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25TSG24B23

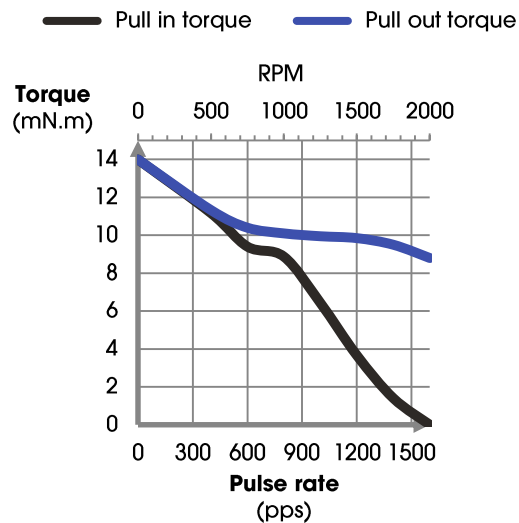
Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Dynamic Torque Curves

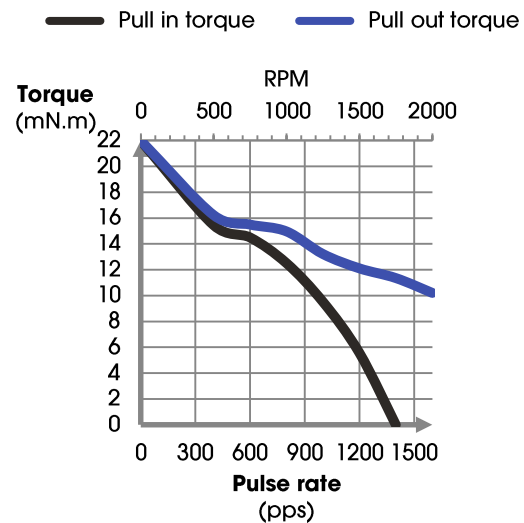
25TSG48B06

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



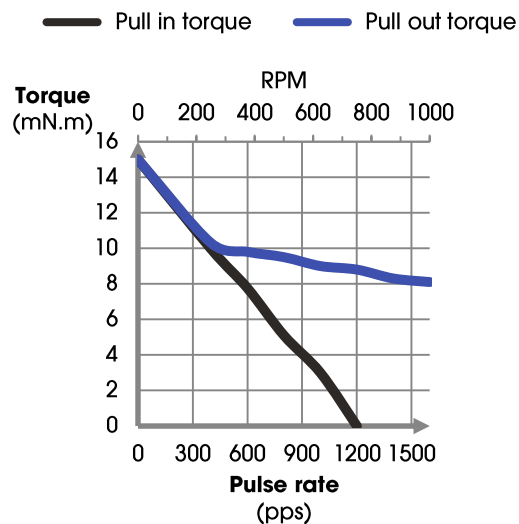
25TSG48B23

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



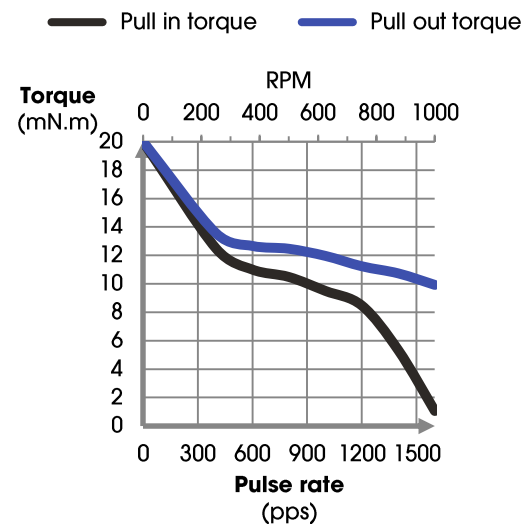
25TSG96B06

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25TSG96B23

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25LSG Series



Key Features

- High torque
- Low noise
- Small size
- Motor step angle 7,5° & 15°

General Specifications

Series	Reduction (:1)	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Holding torque (mNm)
25LSG24B09R010-00	10	1,500°	24	0,5	9	6,7	350
25LSG24B09R021-00	21	0,714°	24	0,5	9	6,7	400
25LSG24B09R043-00	43	0,349°	24	0,5	9	6,7	400
25LSG24B09R090-00	90	0,167°	24	0,5	9	6,7	400
25LSG24B09R188-00	188	0,080°	24	0,5	9	6,7	400
25LSG24B09R392-00	392	0,038°	24	0,5	9	6,7	400
25LSG24B25R010-00	10	1,500°	24	0,5	25	17,6	400
25LSG24B25R021-00	21	0,714°	24	0,5	25	17,6	400
25LSG24B25R043-00	43	0,349°	24	0,5	25	17,6	400
25LSG24B25R090-00	90	0,167°	24	0,5	25	17,6	400
25LSG24B25R188-00	188	0,080°	24	0,5	25	17,6	400
25LSG24B25R392-00	392	0,038°	24	0,5	25	17,6	400

25LSG48B09R010-00	10	0,750°	24	0,5	9	8,7	400
25LSG48B09R021-00	21	0,357°	24	0,5	9	8,7	400
25LSG48B09R043-00	43	0,174°	24	0,5	9	8,7	400
25LSG48B09R090-00	90	0,083°	24	0,5	9	8,7	400
25LSG48B09R188-00	188	0,040°	24	0,5	9	8,7	400
25LSG48B09R392-00	392	0,019°	24	0,5	9	8,7	400
25LSG48B25R010-00	10	0,750°	24	0,5	25	21,3	400
25LSG48B25R021-00	21	0,357°	24	0,5	25	21,3	400
25LSG48B25R043-00	43	0,174°	24	0,5	25	21,3	400
25LSG48B25R090-00	90	0,083°	24	0,5	25	21,3	400
25LSG48B25R188-00	188	0,040°	24	0,5	25	21,3	400
25LSG48B25R392-00	392	0,019°	24	0,5	25	21,3	400

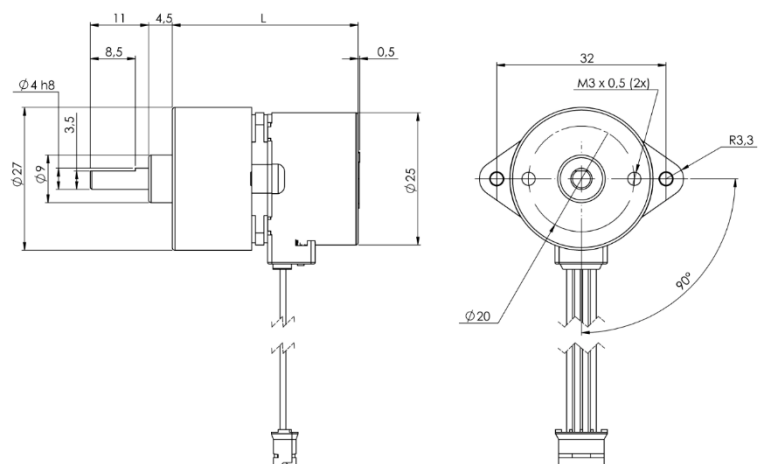
Optional Features

- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Length

- 35,1mm for 10:1 & 21:1
- 40,1mm for 43:1 & 90:1
- 45,1mm for 188:1 & 392:1

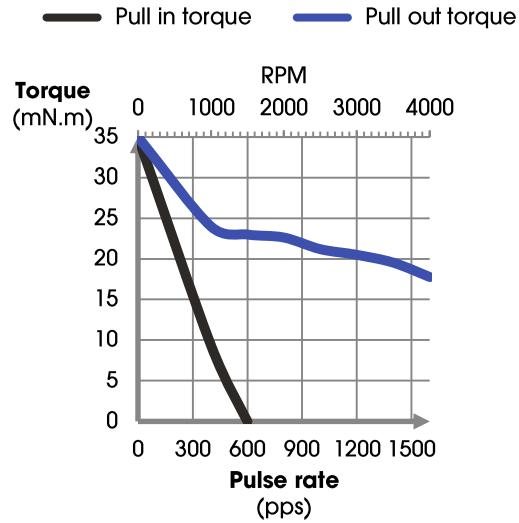
Mechanical Dimensions



Dynamic Torque Curves

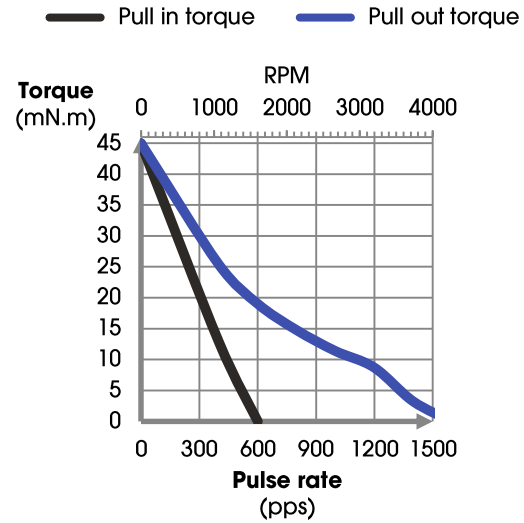
25LSG24B09

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



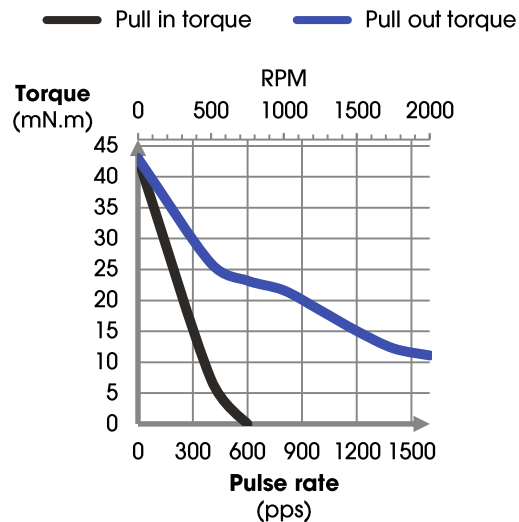
25LSG24B25

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



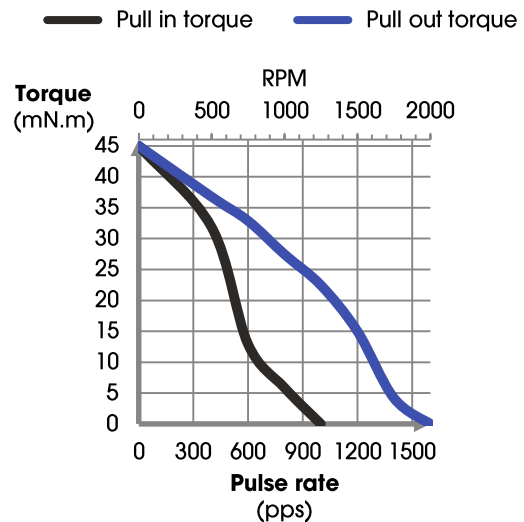
25LSG48B09

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25LSG48B25

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35BS Series



Key Features

- High torque
- Low noise
- Small size
- Motor step angle 3,75° & 7,5° & 15°

General Specifications

Series	Reduction (:1)	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Holding torque (mNm)
35BS24B07R012-00	12	1,250°	24	0,5	7	7,3	456
35BS24B07R021-00	21	0,714°	24	0,5	7	7,3	798
35BS24B07R036-00	36	0,417°	24	0,5	7	7,3	800
35BS24B07R072-00	72	0,208°	24	0,5	7	7,3	800
35BS24B07R149-00	149	0,101°	24	0,5	7	7,3	800
35BS24B07R208-00	208	0,072°	24	0,5	7	7,3	800
35BS24B07R608-00	608	0,025°	24	0,5	7	7,3	800
35BS24B07R1470-00	1470	0,010°	24	0,5	7	7,3	800
35BS24B25R012-00	12	1,250°	24	0,5	25	22,3	720
35BS24B25R021-00	21	0,714°	24	0,5	25	22,3	800
35BS24B25R036-00	36	0,417°	24	0,5	25	22,3	800
35BS24B25R252-00	72	0,208°	24	0,5	25	22,3	800
35BS24B25R149-00	149	0,101°	24	0,5	25	22,3	800

35BS24B25R208-00	208	0,072°	24	0,5	25	22,3	800
35BS24B25R608-00	608	0,025°	24	0,5	25	22,3	800
35BS24B25R1470-00	1470	0,010°	24	0,5	25	22,3	800
35BS48B07R012-00	12	0,625°	24	0,5	7	10	600
35BS48B07R021-00	21	0,357°	24	0,5	7	10	800
35BS48B07R036-00	36	0,208°	24	0,5	7	10	800
35BS48B07R072-00	72	0,104°	24	0,5	7	10	800
35BS48B07R149-00	149	0,050°	24	0,5	7	10	800
35BS48B07R208-00	208	0,036°	24	0,5	7	10	800
35BS48B07R608-00	608	0,012°	24	0,5	7	10	800
35BS48B07R1470-00	1470	0,005°	24	0,5	7	10	800
35BS48B25R012-00	12	0,625°	24	0,5	25	27,2	800
35BS48B25R021-00	21	0,357°	24	0,5	25	27,2	800
35BS48B25R036-00	36	0,208°	24	0,5	25	27,2	800
35BS48B25R252-00	72	0,104°	24	0,5	25	27,2	800
35BS48B25R149-00	149	0,050°	24	0,5	25	27,2	800
35BS48B25R208-00	208	0,036°	24	0,5	25	27,2	800
35BS48B25R608-00	608	0,012°	24	0,5	25	27,2	800
35BS48B25R1470-00	1470	0,005°	24	0,5	25	27,2	800
35BS96B07R012-00	12	0,313°	24	0,5	7	11,9	420

35BS96B07R021-00	21	0,179°	24	0,5	7	11,9	735
35BS96B07R036-00	36	0,104°	24	0,5	7	11,9	800
35BS96B07R072-00	72	0,052°	24	0,5	7	11,9	800
35BS96B07R149-00	149	0,025°	24	0,5	7	11,9	800
35BS96B07R208-00	208	0,018°	24	0,5	7	11,9	800
35BS96B07R608-00	608	0,006°	24	0,5	7	11,9	800
35BS96B07R1470-00	1470	0,003°	24	0,5	7	11,9	800
35BS96B25R012-00	12	0,313°	24	0,5	25	37	540
35BS96B25R021-00	21	0,179°	24	0,5	25	37	800
35BS96B25R036-00	36	0,104°	24	0,5	25	37	800
35BS96B25R252-00	72	0,052°	24	0,5	25	37	800
35BS96B25R149-00	149	0,025°	24	0,5	25	37	800
35BS96B25R208-00	208	0,018°	24	0,5	25	37	800
35BS96B25R608-00	608	0,006°	24	0,5	25	37	800
35BS96B25R1470-00	1470	0,003°	24	0,5	25	37	800

- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

[illegible]

35BS24B07

35BS24B25

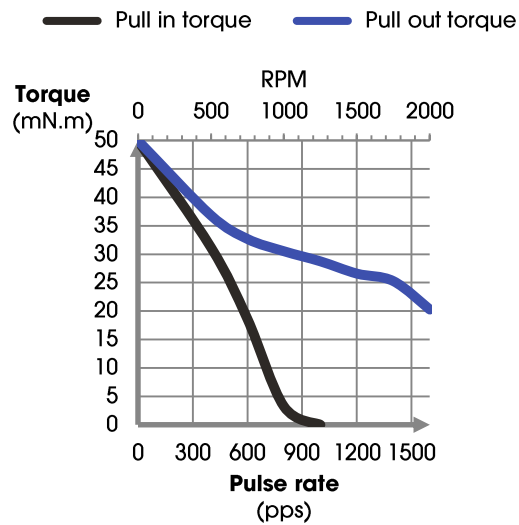
 Pull in torque
 Pull out torque



Dynamic Torque Curves

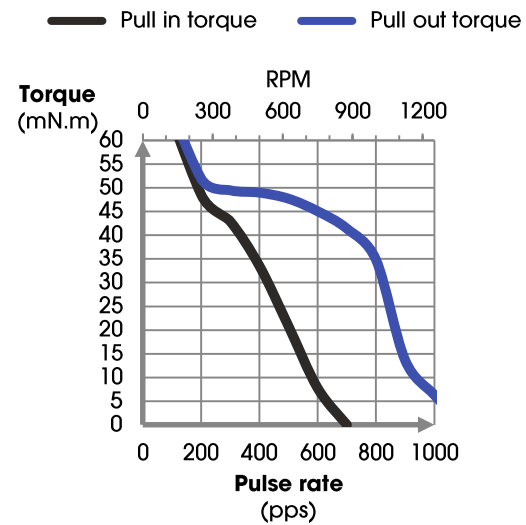
35BS48B07

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



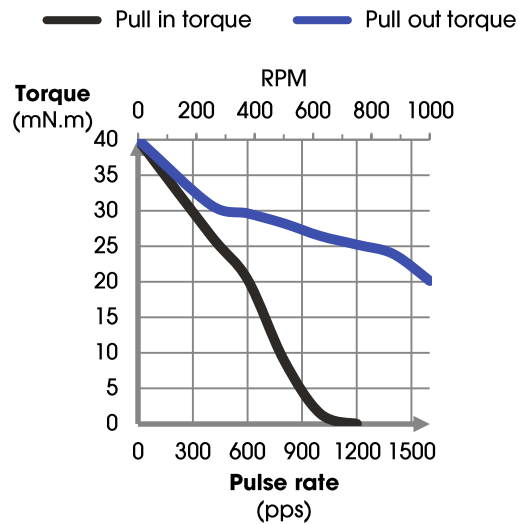
35BS48B25

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



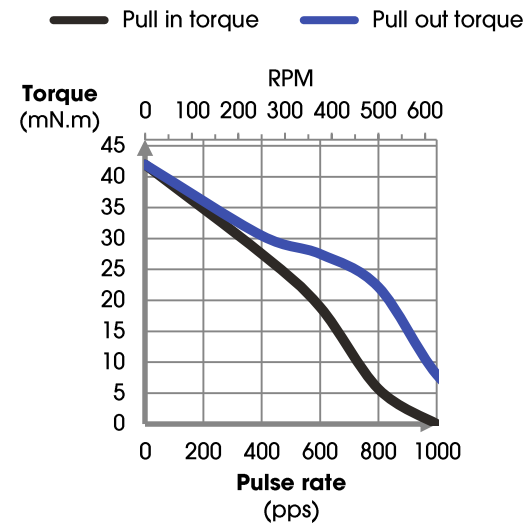
35BS96B07

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35S96B2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35RH Series



Key Features

- High torque
- Low noise
- Small size
- Motor step angle 3,75° & 7,5° & 15°

General Specifications

Series	Reduction (:1)	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Holding torque (mNm)
35RH24B07R015-00	15	1,000°	24	0,5	7	7,3	570
35RH24B07R030-00	30	0,500°	24	0,5	7	7,3	1140
35RH24B07R075-00	75	0,200°	24	0,5	7	7,3	1500
35RH24B07R100-00	100	0,150°	24	0,5	7	7,3	1500
35RH24B07R200-00	200	0,075°	24	0,5	7	7,3	1500
35RH24B07R250-00	250	0,060°	24	0,5	7	7,3	1500
35RH24B07R510-00	510	0,029°	24	0,5	7	7,3	1500
35RH24B07R630-00	630	0,024°	24	0,5	7	7,3	1500
35RH24B25R015-00	15	1,000°	24	0,5	25	22,3	900
35RH24B25R030-00	30	0,500°	24	0,5	25	22,3	1500
35RH24B25R255-00	75	0,200°	24	0,5	25	22,3	1500
35RH24B25R100-00	100	0,150°	24	0,5	25	22,3	1500
35RH24B25R200-00	200	0,075°	24	0,5	25	22,3	1500

35RH24B25R250-00	250	0,060°	24	0,5	25	22,3	1500
35RH24B25R510-00	510	0,029°	24	0,5	25	22,3	1500
35RH24B25R630-00	630	0,024°	24	0,5	25	22,3	1500
35RH48B07R015-00	15	0,500°	24	0,5	7	10	570
35RH48B07R030-00	30	0,250°	24	0,5	7	10	1140
35RH48B07R075-00	75	0,100°	24	0,5	7	10	1500
35RH48B07R100-00	100	0,075°	24	0,5	7	10	1500
35RH48B07R200-00	200	0,038°	24	0,5	7	10	1500
35RH48B07R250-00	250	0,030°	24	0,5	7	10	1500
35RH48B07R510-00	510	0,015°	24	0,5	7	10	1500
35RH48B07R630-00	630	0,012°	24	0,5	7	10	1500
35RH48B25R015-00	15	0,500°	24	0,5	25	27,2	900
35RH48B25R030-00	30	0,250°	24	0,5	25	27,2	1500
35RH48B25R255-00	75	0,100°	24	0,5	25	27,2	1500
35RH48B25R100-00	100	0,075°	24	0,5	25	27,2	1500
35RH48B25R200-00	200	0,038°	24	0,5	25	27,2	1500
35RH48B25R250-00	250	0,030°	24	0,5	25	27,2	1500
35RH48B25R510-00	510	0,015°	24	0,5	25	27,2	1500
35RH48B25R630-00	630	0,012°	24	0,5	25	27,2	1500
35RH96B07R015-00	15	0,250°	24	0,5	7	11,9	570

35RH96B07R030-00	30	0,125°	24	0,5	7	11,9	1140
35RH96B07R075-00	75	0,050°	24	0,5	7	11,9	1500
35RH96B07R100-00	100	0,038°	24	0,5	7	11,9	1500
35RH96B07R200-00	200	0,019°	24	0,5	7	11,9	1500
35RH96B07R250-00	250	0,015°	24	0,5	7	11,9	1500
35RH96B07R510-00	510	0,007°	24	0,5	7	11,9	1500
35RH96B07R630-00	630	0,006°	24	0,5	7	11,9	1500
35RH96B25R015-00	15	0,250°	24	0,5	25	37	900
35RH96B25R030-00	30	0,125°	24	0,5	25	37	1500
35RH96B25R255-00	75	0,050°	24	0,5	25	37	1500
35RH96B25R100-00	100	0,038°	24	0,5	25	37	1500
35RH96B25R200-00	200	0,019°	24	0,5	25	37	1500
35RH96B25R250-00	250	0,015°	24	0,5	25	37	1500
35RH96B25R510-00	510	0,007°	24	0,5	25	37	1500
35RH96B25R630-00	630	0,006°	24	0,5	25	37	1500

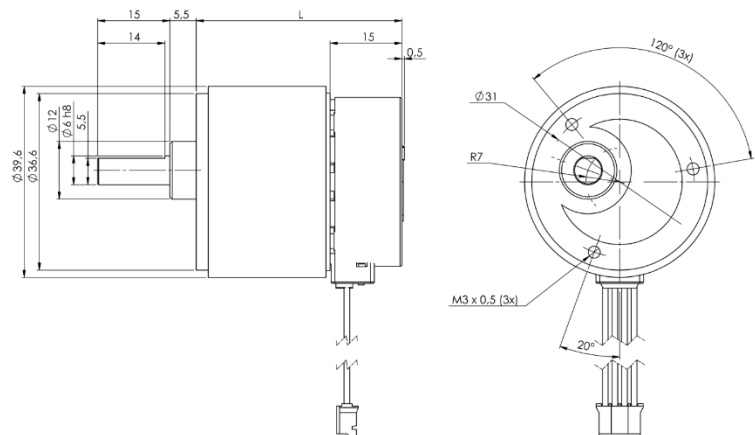
Optional Features

- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Length

- 42,8mm for 15:1 & 30:1
- 45,3mm for 75:1 & 100:1
- 47,8mm for 200:1 & 250:1
- 50,8mm for 510:1 & 630:1

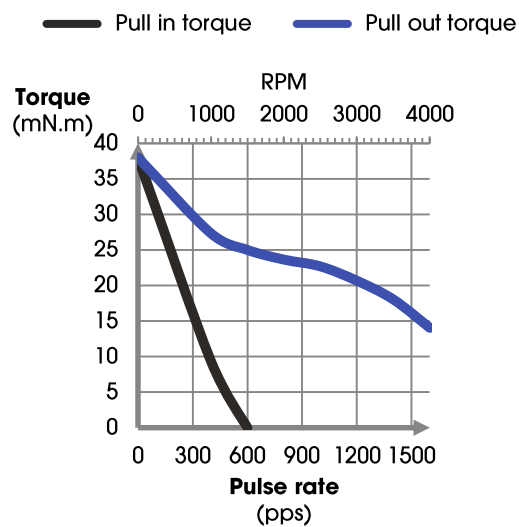
Mechanical Dimensions



Dynamic Torque Curves

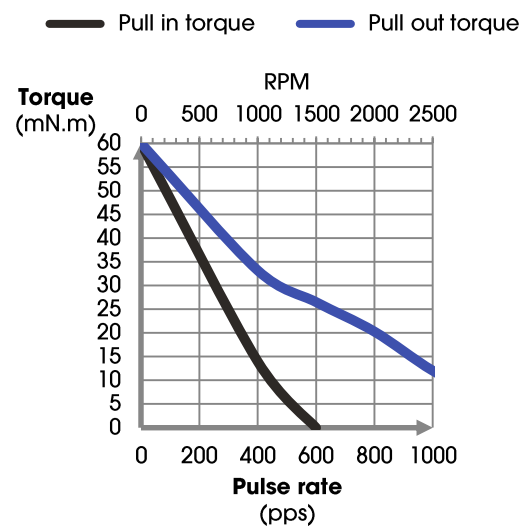
35RH24B07

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35RH24B25

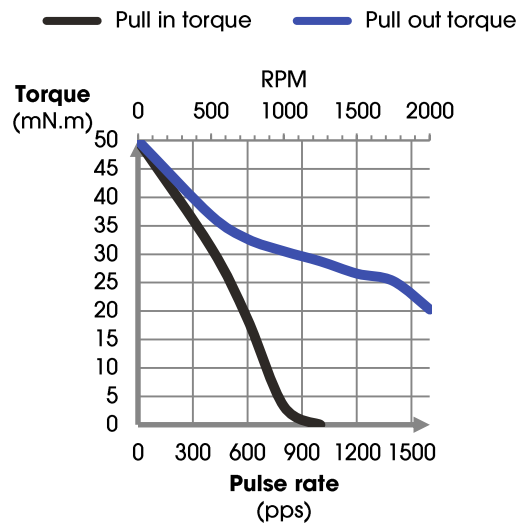
Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Dynamic Torque Curves

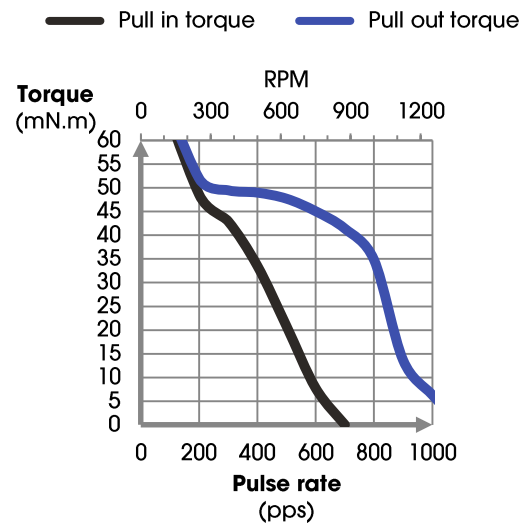
35RH48B07

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



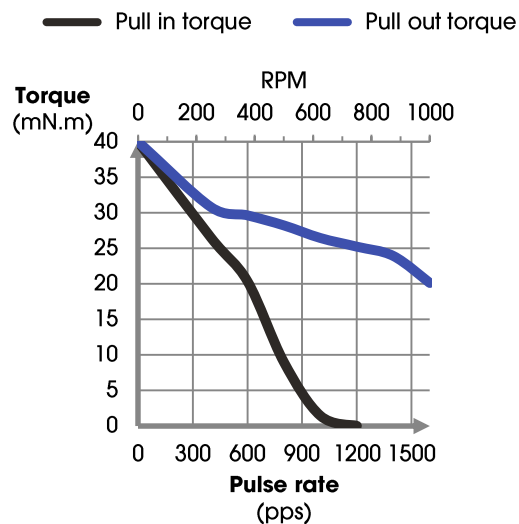
35RH48B25

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



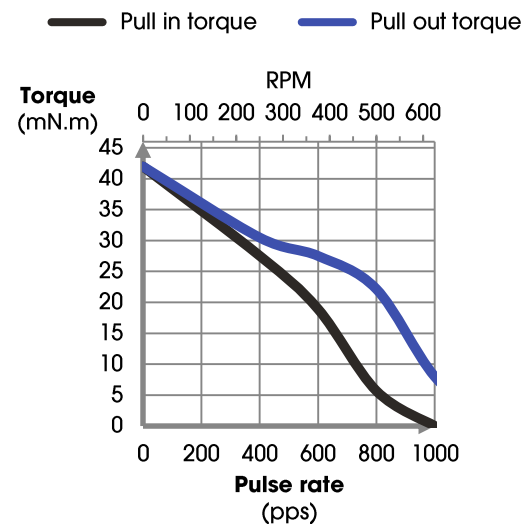
35RH96B07

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



35RH96B25

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Linear PM

LM25L Series



Key Features

- Captive, high force
- Low noise, small size
- Pitch 0.5mm & 1.0mm

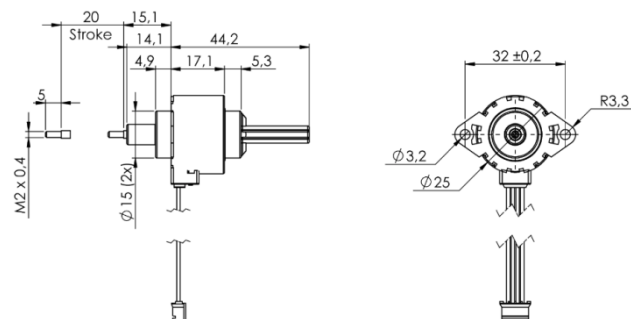
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Increment (mm/step)
LM25L100CB0900	15°	24	0,5	9	6,7	0,0416
LM25L100CB2500	15°	24	0,5	25	17,6	0,0416
LM25L101CB0900	7,5°	24	0,5	9	8,7	0,0208
LM25L101CB2500	7,5°	24	0,5	25	21,3	0,0208
LM25L050CB0900	15°	24	0,5	9	6,7	0,0208
LM25L050CB2500	15°	24	0,5	25	17,6	0,0208
LM25L051CB0900	7,5°	24	0,5	9	8,7	0,0104
LM25L051CB2500	7,5°	24	0,5	25	21,3	0,0104

Optional Features

- Custom winding, wire harness
- Custom leadscrew
- Drive electronics
- Other specifications

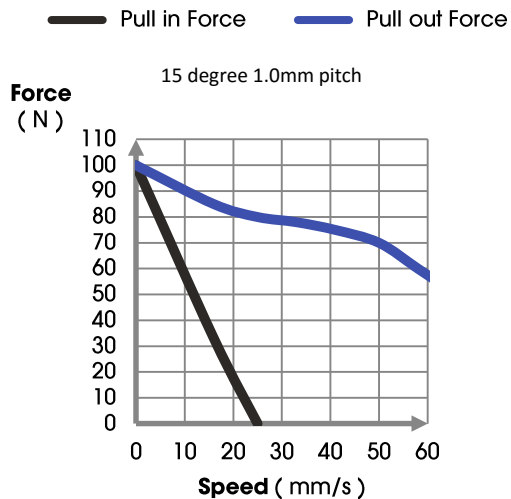
Mechanical Dimensions



Dynamic Force Curves

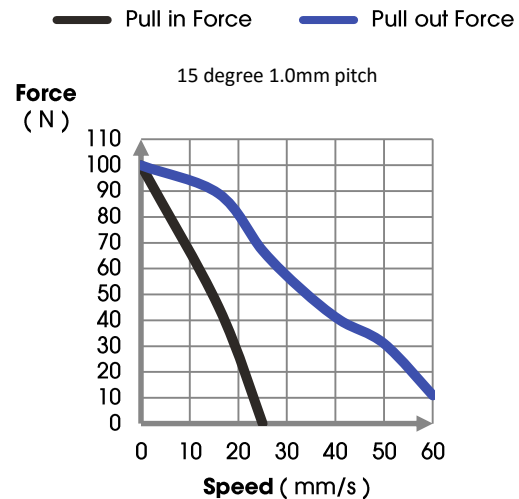
LM25L100CB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



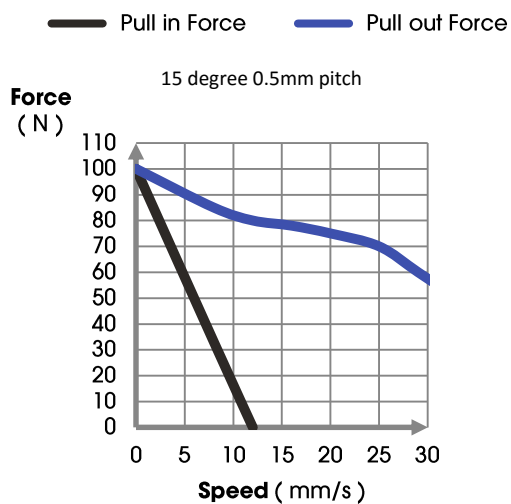
LM25L100CB2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



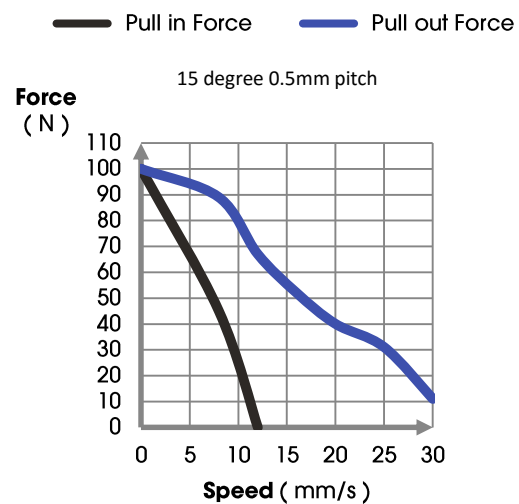
LM25L050CB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



LM25L050CB2500

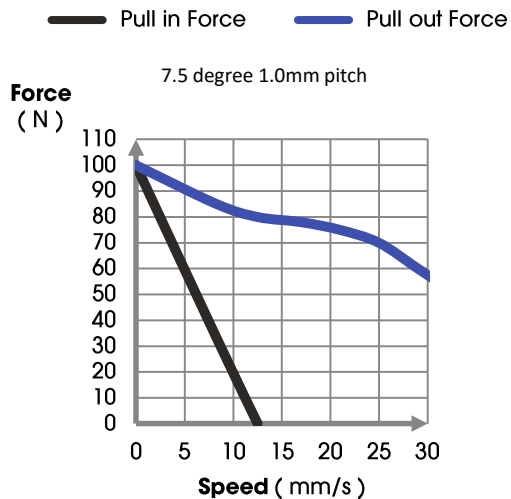
Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Dynamic Force Curves

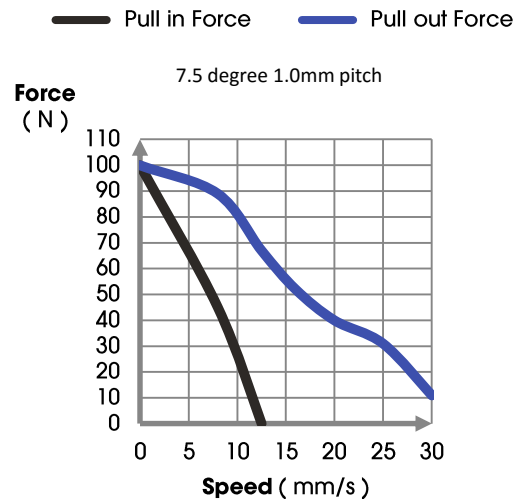
LM25L101CB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



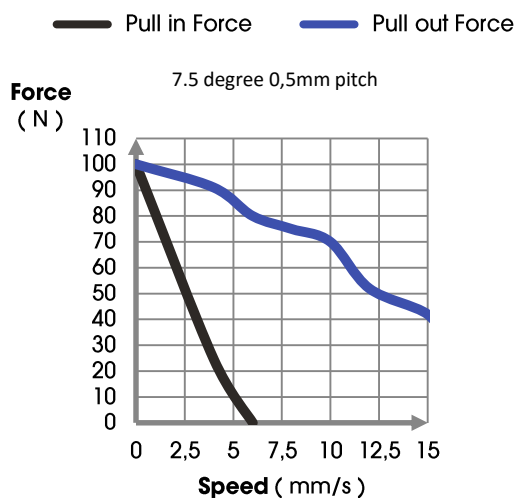
LM25L101CB2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



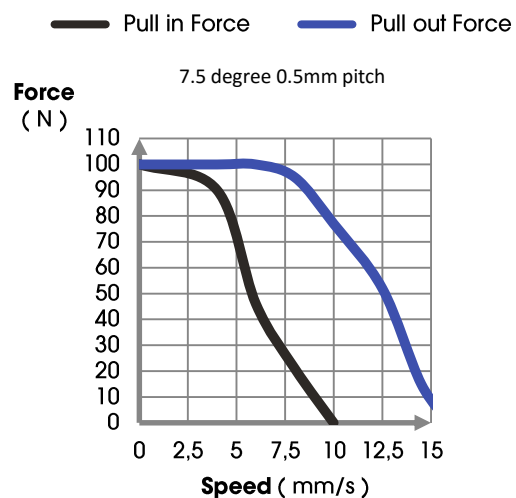
LM25L051CB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



LM25L051CB2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



LM25L Series



Key Features

- Non-Captive, high force
- Low noise, small size
- Pitch 0.5mm & 1.0mm

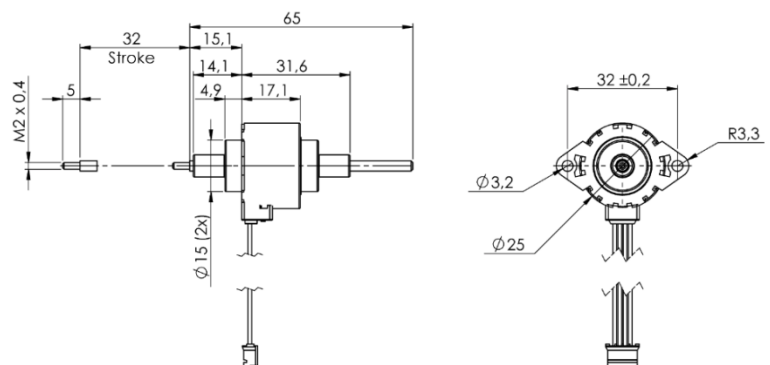
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Increment (mm/step)
LM25L100NB0900	15°	24	0,5	9	6,7	0,0416
LM25L100NB2500	15°	24	0,5	25	17,6	0,0416
LM25L101NB0900	7,5°	24	0,5	9	8,7	0,0208
LM25L101NB2500	7,5°	24	0,5	25	21,3	0,0208
LM25L050NB0900	15°	24	0,5	9	6,7	0,0208
LM25L050NB2500	15°	24	0,5	25	17,6	0,0208
LM25L051NB0900	7,5°	24	0,5	9	8,7	0,0104
LM25L051NB2500	7,5°	24	0,5	25	21,3	0,0104

Optional Features

- Custom winding, wire harness
- Custom leadscrew
- Drive electronics
- Other specifications

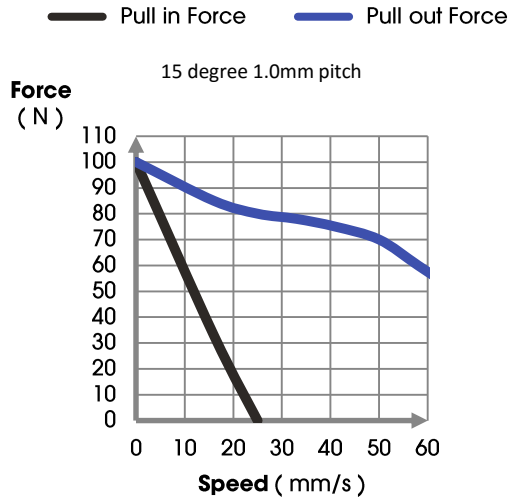
Mechanical Dimensions



Dynamic Force Curves

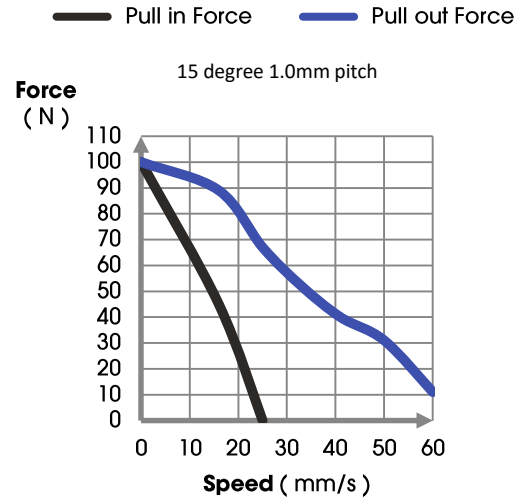
LM25L100NB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



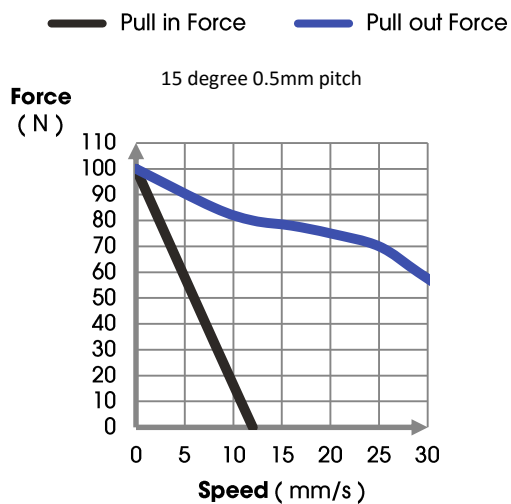
LM25L100NB2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



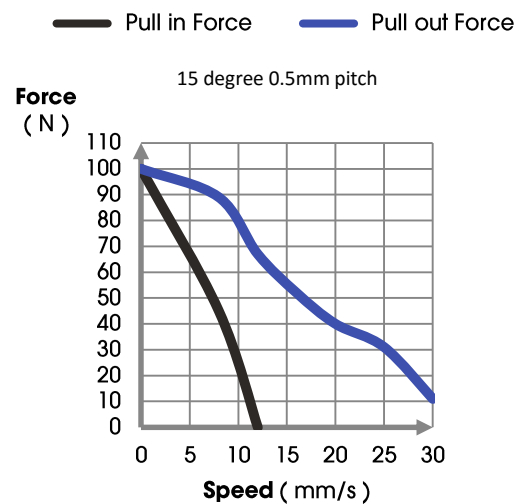
LM25L050NB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



LM25L050NB2500

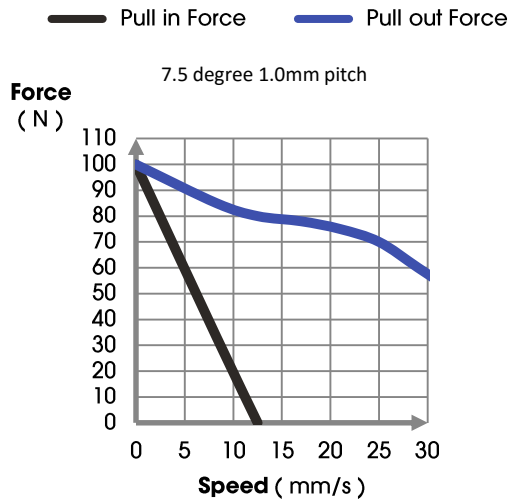
Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Dynamic Force Curves

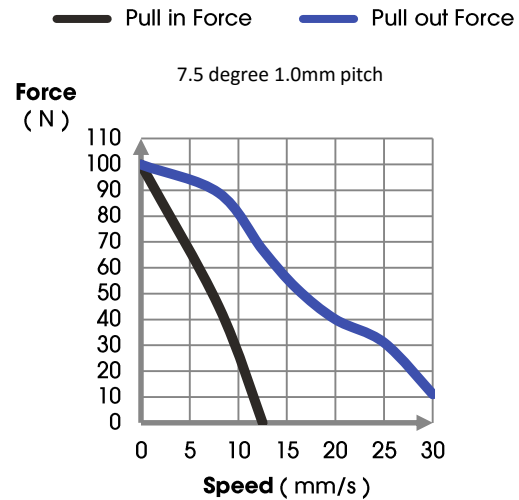
LM25L101NB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



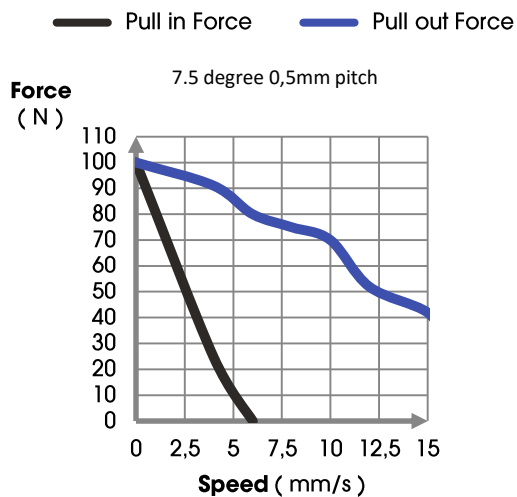
LM25L101NB2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



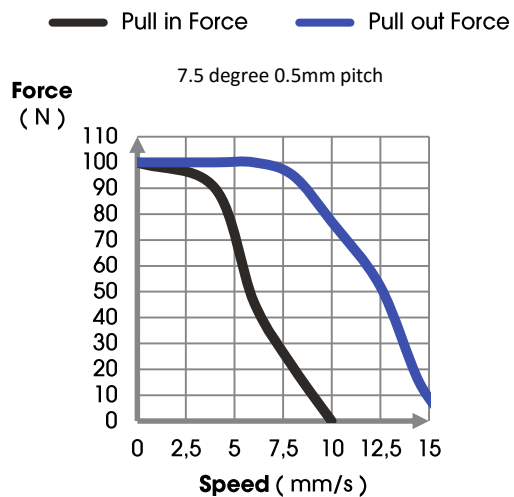
LM25L051NB0900

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



LM25L051NB2500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



Synchronous

15S Series



Key Features

- High torque
- Low noise
- Small size

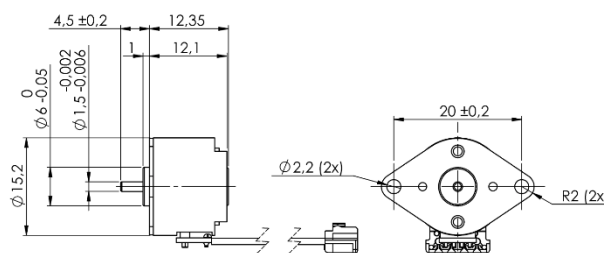
General Specifications

Series	Frequency (Hz)	Voltage (Vac)	Speed @ 50/60 Hz (RPM)	Power Output (W)	Capacitor (uF)	Running torque (mNm)	Temperature rise (°)
15S20S0240	50/60	24	600/720	0,91	2,2	0,5	54
15S40S0240	50/60	24	300/360	0,91	2,2	0,8	52

Optional Features

- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

Mechanical Dimensions



Key Features

- High torque
- Low noise
- Small size

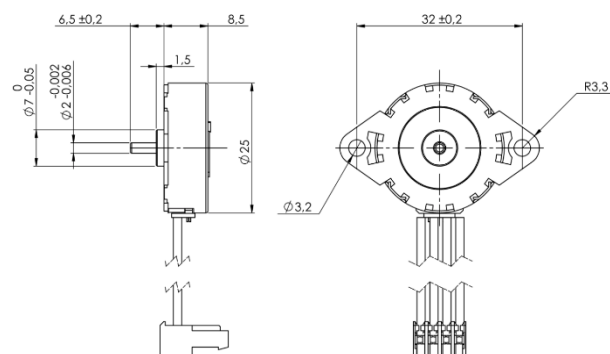
General Specifications

Series	Frequency (Hz)	Voltage (Vac)	Speed @ 50/60 Hz (RPM)	Power Output (W)	Capacitor (uF)	Running torque (mNm)	Temperature rise (°)
25T24S0240	50/60	24	500/600	1,11	3,3	2,5	48
25T24S0480	50/60	48	500/600	1,12	1,0	3,5	52
25T48S0240	50/60	24	250/300	1,11	3,3	3,5	46
25T48S0480	50/60	48	250/300	1,12	1,0	5	43
25T96S0240	50/60	24	125/150	1,11	3,3	6	48
25T96S0480	50/60	48	125/150	1,12	1,0	7	52

Optional Features

- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

Mechanical Dimensions



25L Series



Key Features

- High torque
- Low noise
- Small size

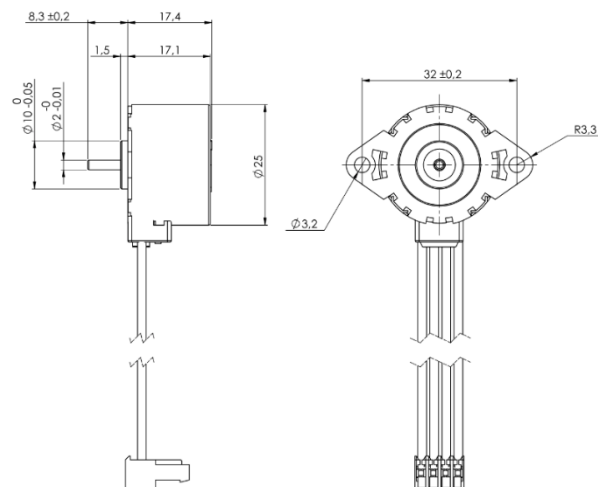
General Specifications

Series	Frequency (Hz)	Voltage (Vac)	Speed @ 50/60 Hz (RPM)	Power Output (W)	Capacitor (uF)	Running torque (mNm)	Temperature rise (°)
25L24S0240	50/60	24	500/600	2,3	0,1	19	50
25L24S1100	50/60	110	500/600	2,6	4,7	11	45
25L48S0240	50/60	24	250/300	2,3	0,1	23	49
25L48S1100	50/60	110	250/300	2,6	4,7	13	49

Optional Features

- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

Mechanical Dimensions



35S Series



Key Features

- High torque
- Low noise
- Small size

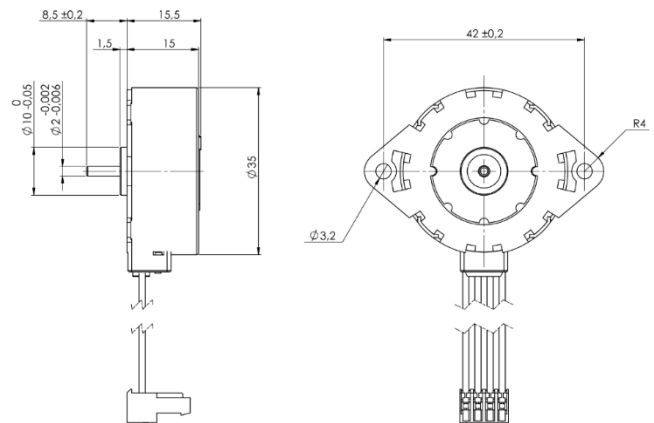
General Specifications

Series	Frequency (Hz)	Voltage (Vac)	Speed @ 50/60 Hz (RPM)	Power Output (W)	Capacitor (uF)	Running torque (mNm)	Temperature rise (°)
35S24S0240	50/60	24	500/600	2,70	4.7	20	42
35S24S1100	50/60	110	500/600	2,72	0.33	16	51
35S24S2300	50/60	230	500/600	2,62	0.1	21	49
35S48S0240	50/60	24	250/300	2,70	4.7	23	49
35S48S1100	50/60	110	250/300	2,72	0.33	32	54
35S48S2300	50/60	230	250/300	2,62	0.1	40	50
35S96S0240	50/60	24	125/150	2,70	4.7	32	47
35S96S1100	50/60	110	125/150	2,72	0.33	25	47
35S96S2300	50/60	230	125/150	2,62	0.1	24	47

Optional Features

- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft
- Other specifications

Mechanical Dimensions



Motors with Integrated Electronics

15SE Series



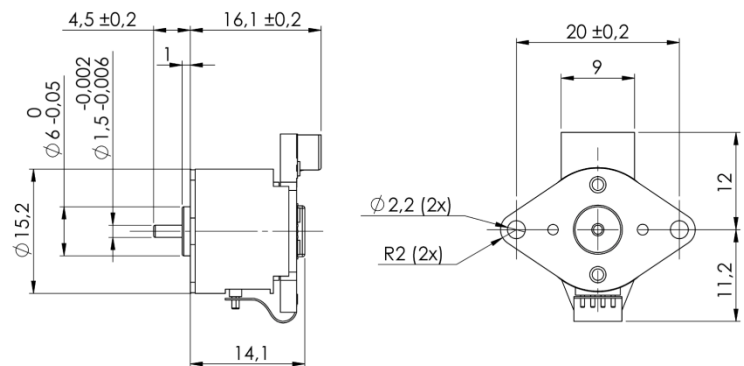
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Holding torque (mNm)	Detent torque (mNm)
15SE20B1000	18	12	0,4	10	4,1	5,0	0,5
15SE20B2000	18	12	0,4	20	6,7	7,8	0,6
15SE40B1000	9	12	0,4	10	5,0	4,6	0,4
15SE40B2000	9	12	0,4	20	6,5	6,0	0,5

Optional Features

- Integrated driver
- I²C, LIN
- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Mechanical Dimensions



Key Features

- Sensorless stall detection
- Automatic selection of fast and slow decay mode
- No external fly-back diodes required
- Configurable speed, and acceleration
- Field-programmable node addresses
- High-temp warning and management
- Peak current 800mA (for driver chip)
- 32 Motors can be connected to each master
- 400 kbit serial data transfer

General Description

Stegia 1500E series is our stepper motor series with integrated single-chip position controller and control/diagnostic interface. The 1500E is a dedicated motor solution connected remotely with the I²C bus.

The motor receives positioning instructions through the bus and positions the motor to the desired position. The on-chip position controller is configurable for positioning ranges as well as parameters for speed, acceleration and deceleration.

Stegia 1500E series acts as a slave on the I²C bus, and the master can fetch specific status information like actual position, error flags, etc. from each individual slave node.

Integrated sensorless step-loss detection prevents the positioner from losing steps and stops the motor when running into stall. This enables silent, yet accurate position calibrations and allows semi-closed loop operation when approaching the mechanical end-positions.

The chip is implemented in I2T100 technology, enabling both high voltage analog circuitry and digital functionality on the same chip. Stegia 1500E stepper motor series is fully compatible with the automotive voltage requirements.

Motor Driver

Micro-stepping technology
Sensorless stall detection
Peak current up to 800mA (for driver)
Fixed frequency PWM current-control
Automatic selection of fast and slow decay mode
14V/24V compliant

Protection

Over-current protection
Under-voltage management
Open circuit detection
High-temp. warning and management Low-temp
flag

Controller with RAM and OTP Memory

Position controller
Configurable speed, current and acceleration
Input to connect optional motion switch

I²C Interface

Bi-directional 2-wire bus for Inter IC Control
Field-programmable node addresses
Full diagnostics and status information

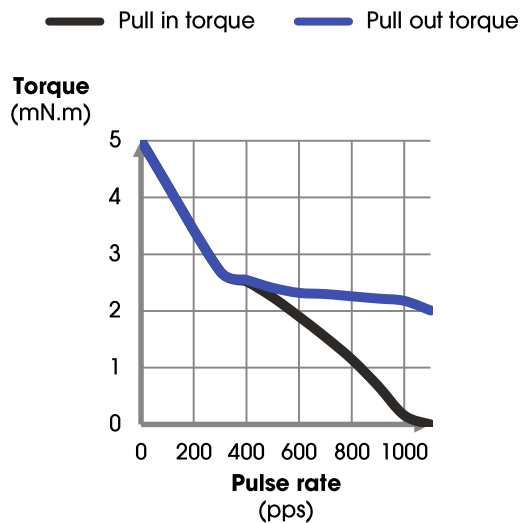
EMI Compatibility

High voltage outputs with slope control
HV outputs with slope control

Dynamic Torque Curves

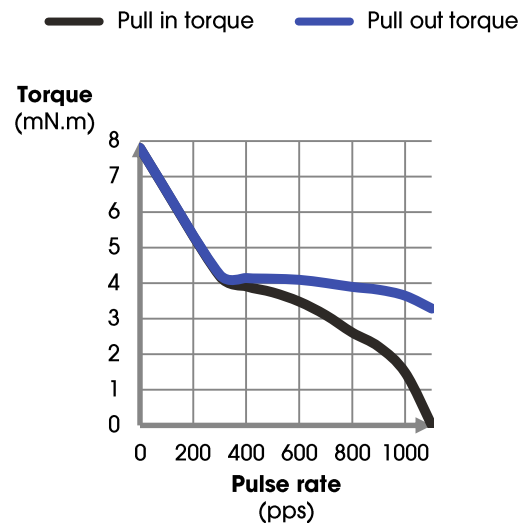
15SE20B1000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



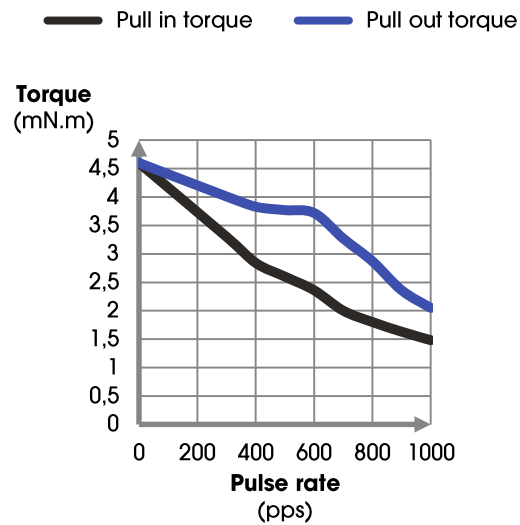
15SE20B2000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



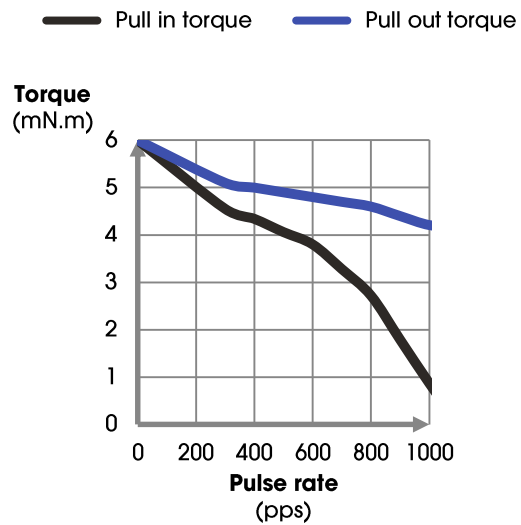
15SE40B1000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



15SE40B2000

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25TE Series



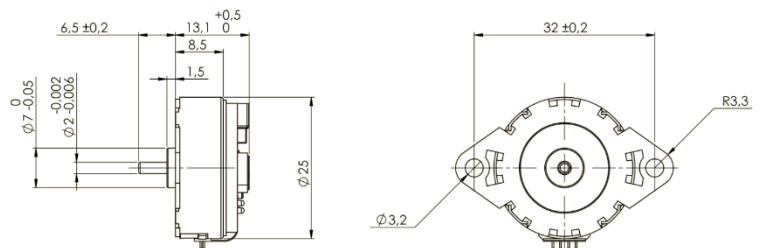
General Specifications

Series	Step angle (°)	Voltage (V)	Current (A)	Resistance (Ω)	Inductance (mH)	Holding torque (mNm)	Detent torque (mNm)
25TE24B1500	15°	24	0,4	15	5,6	12	2,2
25TE24B2300	15°	24	0,4	23	6,3	13	2,2
25TE48B1500	7,5°	24	0,4	15	8,0	21	2,7
25TE48B2300	7,5°	24	0,4	23	8,8	22	2,7
25TE96B1500	3,75°	24	0,4	15	10,7	17	1,8
25TE96B2300	3,75°	24	0,4	23	10,3	20	1,8

Optional Features

- Integrated driver
- I²C, LIN
- Gearbox
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Mechanical Dimensions



Key Features

- Sensorless stall detection
- Automatic selection of fast and slow decay mode
- No external fly-back diodes required
- Configurable speed, and acceleration
- Field-programmable node addresses
- High-temp warning and management
- Peak current 800mA (for driver chip)
- 32 Motors can be connected to each master
- 400 kbit serial data transfer

General Description

Stegia 2500TE series is our stepper motor series with integrated single-chip position controller and control/diagnostic interface. The 2500TE is a dedicated motor solution connected remotely with the I²C bus.

The motor receives positioning instructions through the bus and positions the motor to the desired position. The on-chip position controller is configurable for positioning ranges as well as parameters for speed, acceleration and deceleration.

Stegia 2500TE series acts as a slave on the I²C bus, and the master can fetch specific status information like actual position, error flags, etc. from each individual slave node.

Integrated sensorless step-loss detection prevents the positioner from losing steps and stops the motor when running into stall. This enables silent, yet accurate position calibrations and allows semi-closed loop operation when approaching the mechanical end-positions.

The chip is implemented in I2T100 technology, enabling both high voltage analog circuitry and digital functionality on the same chip. Stegia 2500TE stepper motor series is fully compatible with the automotive voltage requirements.

Motor Driver

Micro-stepping technology
Sensorless stall detection
Peak current up to 800mA (for driver)
Fixed frequency PWM current-control
Automatic selection of fast and slow decay mode
14V/24V compliant

Protection

Over-current protection Under-voltage management
Open circuit detection
High-temp. warning and management Low-temp flag

Controller with RAM and OTP Memory

Position controller
Configurable speed, current and acceleration
Input to connect optional motion switch

I²C Interface

Bi-directional 2-wire bus for Inter IC Control
Field-programmable node addresses
Full diagnostics and status information

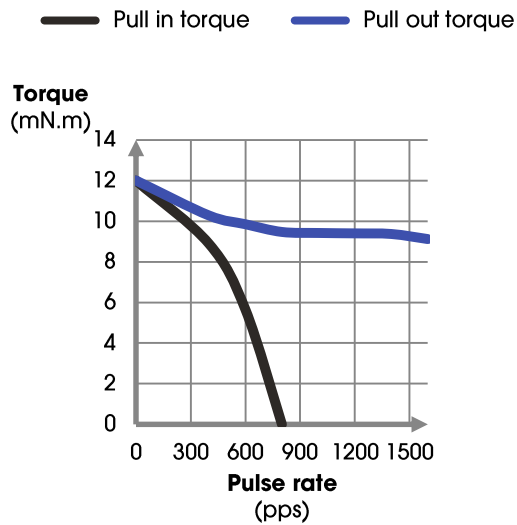
EMI Compatibility

High voltage outputs with slope control
HV outputs with slope control

Dynamic Torque Curves

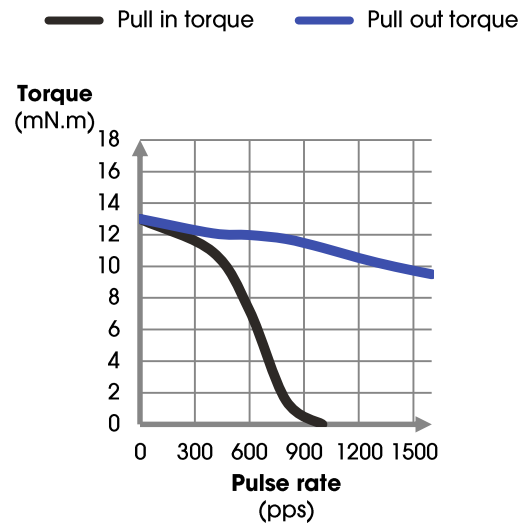
25TE24B1500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step



25TE24B2300

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

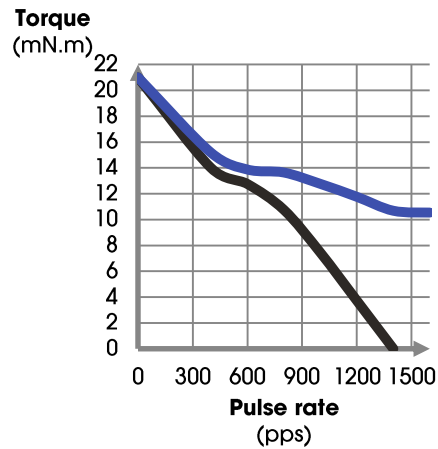


Dynamic Torque Curves

25TE48B1500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

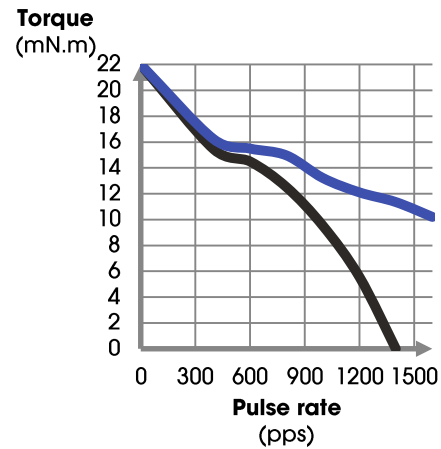
— Pull in torque — Pull out torque



25TE48B2300

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

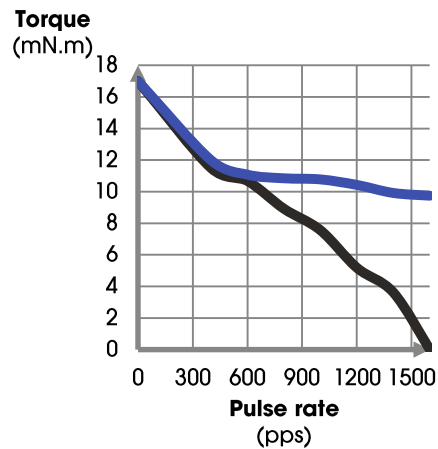
— Pull in torque — Pull out torque



25TE96B1500

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

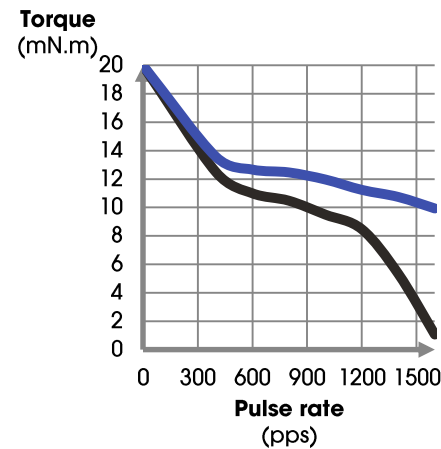
— Pull in torque — Pull out torque



25TE96B2300

Conditions: Bi-polar Constant Current Driver
Driver: AMIS 30522
Mode: Full Step

— Pull in torque — Pull out torque



Technical Pages

Primary units in this guide are metric (SI – the International System of units):

Length - m - (meter)
 Mass - g - (gram)
 Force - mN - (millinewton)
 Torque - mN•m - (millinewton meter)
 Inertia - g•m² - (gram meter²)

In this system, mass is always in kilograms or grams.
 Force, or
 weight, is always in newtons or milli newtons.

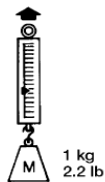
$$F = ma$$

when $a = 9.81 \text{ m/sec}^2$ (acceleration due to gravity),
 then F would be the weight in newtons.

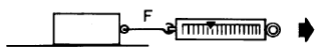
How to measure Mass or Force

A spring scale reading of 1 kg means
 that you are measuring a mass of 1 kg.

A spring scale reading of 2.2 lbs also is
 measuring a mass of 1 kg.



If you use that same spring scale to measure a force,
 the 1 kg reading must be multiplied by 9.8 to give a
 force of 9.8 Newtons.



The reading of 2.2 lb is a force and is equal to 9.8
 newtons.

If the same scale is used to measure torque ($T = FR$) at
 a one meter radius, the reading of

$$1 \text{ kilogram} \times 1 \text{ meter} = 1 \text{ kgm}$$

must be multiplied by 9.8 to give a torque of 9.8
 newton meters

Watts out = torque output x speed in radians/sec

$$1 \text{ watt} = 1 \text{ Nm/sec}$$

For a given output Torque (mNm) and converting v
 (steps/sec) to radians/sec

If the speed is in RPM then:

$$\text{Watts out} = 1.05 \times 10^{-4} \times \text{torque (mN}\cdot\text{m)} \times \text{RPM}$$

9. Steps/sec to RPM

Motor watts output

$$\text{RPM} = \frac{v(\text{steps/s Hz}) \times 60}{\text{motor steps/rev}}$$

$$\text{Watts out} = \text{Torque (mN} \times \text{m)} \times v \frac{\text{motor step angle}}{57.3} \times 10^{-3}$$

1. Torque (mN•m) = Force (mN) x Radius (m)

$$\text{Torque} = FR$$

2. Torque required to accelerate inertial load

$$\text{T (mN}\cdot\text{m)} = J\alpha$$

J = Inertia in g•m²

α = Acceleration in radians/sec²

EXAMPLE:

If a rotor inertia plus load inertia = $J = 2 \times 10^{-3} \text{ g}\cdot\text{m}^2$,
 and the motor is to be accelerated at 6,000 radians
 per sec, what torque is required?

$$T = J\alpha = 2 \times 10^{-3} \times 6000$$

$$T = 12 \text{ mN}\cdot\text{m}$$

For stepper motors, a can be converted to
 radians/sec² from steps/sec².

$$a \text{ (radians/sec)} = x$$

$$\text{TORQUE} = J \times$$

EXAMPLE:

For a 48-step per revolution motor accelerating from
 zero to

steps/sec running rate v in Δt seconds.

$$\text{TORQUE} = J \times$$

	Units US		Units Metric SI
Length	1 inch	2.54 cm	2.54×10^{-2} m
Force	1 oz		278 mN
	1 lb	4.45 N	4 450 mN
	1 g•m		9.8 mN
Mass	1 lb		454 g
	1 oz		28.4 g
	1 kg		1 000 g
Inertia	1 g•cm ²		10^{-4} g•m ²
	1 oz-in-sec ²		7.06 g•m ²
	1 slug ft ²		0.29 g•m ²
Torque	1 oz-in		7.06 mN•m
	1 lb-ft		1.356 N•m
	1 g•cm		9.8×10^{-2} mN•m
		10.2 g•cm	1 mN•m
		141.6 oz-in	1 N•m

Conversion Table for Torque

	lb•ft	lb•in	oz•in	dyne•cm	N•m	mN•m	kg•cm	g•cm
lb•ft	1	12	192	1.356×10^7	1.356	1.356×10^3	13.825	13.825×10^4
lb•in	8.333×10^{-2}	1	16	1.130×10^6	0.113	1.130×10^2	1.152	1.152×10^3
oz•in	5.208×10^{-3}	6.250×10^{-2}	1	7.062×10^4	7.062×10^{-3}	7.062	7.201×10^{-2}	72.01
dyne•cm	7.3761×10^{-8}	8.851×10^{-7}	1.416×10^{-5}	1	10^{-7}	10^{-4}	1.0197×10^{-6}	1.0197×10^{-3}
N•m	0.7376	8.851	141.8	10^7	1	1000	10.197	1.0197×10^4
mN•m	7.376×10^4	8.851×10^3	0.1416	10^4	10^{-3}	1	1.0197×10^{-2}	10.197
kg•cm	7.233×10^{-2}	0.8679	13.877	9.8066×10^5	9.8066×10^{-2}	98.066	1	1000
g•cm	7.233×10^{-5}	8.680×10^{-4}	1.389×10^{-2}	980.67	9.8066×10^{-5}	9.8066×10^{-2}	10^{-3}	1

Conversion Table for Moment of Inertia

	lb· ft²	lb· ft ·s²	lb· in²	lb· in·s²	oz· in²	oz· in·s²	kg·cm²	kg·cm·s²	g·cm²	g·cm ·s²
lb· ft²	1	3.108 x 10 ⁻²	144	.373	2.304 x 10 ³	5.968	421.40	0.4297	4.214 x 10 ⁵	429.71
lb· ft ·s²	32.174	1	4.633 x 10 ³	12	7.413 x 10 ⁴	192	1.356 x 10 ⁴	13.825	1.356 x 10 ⁷	1.383 x 10 ⁴
lb· in²	6.944 x 10 ⁻³	2.158 x 10 ⁻⁴	1	2.590 x 10 ⁻³	16	4.144 x 10 ⁻²	2.926	2.984 x 10 ⁻³	2.926 x 10 ³	2.984
lb· in·s²	2.681	8.333 x 10 ⁻²	386.1	1	32.174	16	1.130 x 10 ³	1.152	1.130 x 10 ⁶	1.152 x 10 ³
oz· in²	4.340 x 10 ⁻⁴	1.349 x 10 ⁻⁵	6.250 x 10 ⁻²	1.619 x 10 ⁻⁴	1	2.59 x 10 ⁻³	0.183	1.865 x 10 ⁻⁴	182.901	0.186
oz· in·s²	0.168	5.208 x 10 ⁻³	24.13	6.250 x 10 ⁻²	386.088	1	70.616	7.201 x 10 ⁻²	7.201 x 10 ⁴	72.008
kg·cm²	2.373 x 10 ⁻³	7.376 x 10 ⁻⁵	0.3417	8.851 x 10 ⁻⁴	5.467	1.416 x 10 ⁻²	1	1.0197 x 10 ⁻³	1000	1.0197
kg·cm·s²	2.327	7.233 x 10 ⁻²	335.109	0.8679	5.362 x 10 ³	13.887	980.665	1	9.807 x 10 ⁵	1000
g·cm²	2.373 x 10 ⁻⁶	7.376 x 10 ⁻⁸	3.417 x 10 ⁻⁴	8.851 x 10 ⁻⁷	5.467 x 10 ⁻³	1.416 x 10 ⁻⁵	10 ⁻³	1.0197 x 10 ⁻⁶	1	1.0197 x 10 ⁻³
g·cm ·s²	2.327 x 10 ⁻³	7.233 x 10 ⁻⁵	0.3351	8.680 x 10 ⁻⁴	5.362	1.389 x 10 ⁻²	.9807	10 ⁻³	980.667	1

Request Form – Stepper Motors

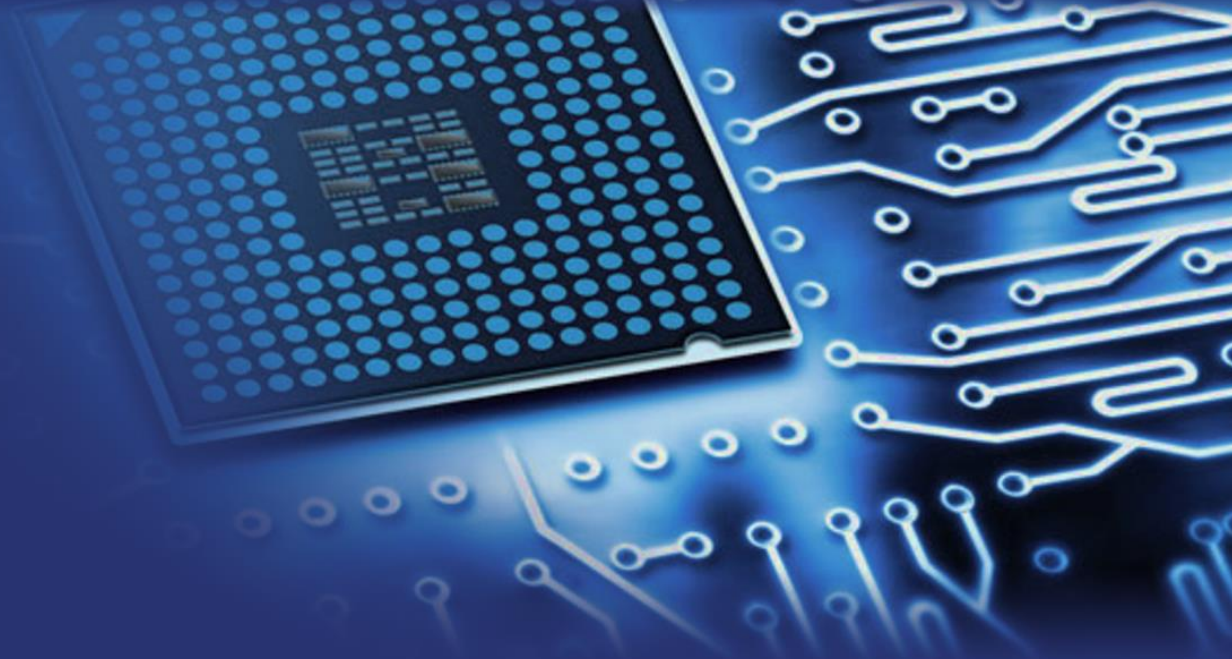
Customer Info	
Name :	Company name :
Department/Division :	Adress :
Phone/Fax number :	
Website adress www :	Country :

Requirements PM STEPPERS			
Application:			
Motor diameter : mm	Motor height : mm	Shaft diameter : mm	Stepangle : °
Type of bearings: <input type="radio"/> Sleeve bearings <input type="radio"/> Ballbearings	Wire type: AWG	Constant Current : mA/phase	Motor Voltage: V
Driving method : <input type="radio"/> Bipolar <input type="radio"/> Unipolar		Winding resistance Ω	Inductance: mH
Holding Torque : mNm		Driver mode : <input type="radio"/> Full step <input type="radio"/> Half step <input type="radio"/> Micro step number of microsteps	
Pull in Torque: mNm	@ Hz		
Pull out Torque : mNm	@ Hz	Production start:	Qty

Request Form – Synchronous Motors

Customer Info	
Name :	Company name :
Department/Division :	Adress :
Phone/Fax number :	
Website adress www :	Country :

Requirements SYNCHRONUS			
Application:			
Motor diameter :	Motor height :	Shaft diameter :	
Connector type :	Wire type: AWG	Voltage: <input type="radio"/> 24 Vac <input type="radio"/> 48 Vac <input type="radio"/> 110 Vac <input type="radio"/> 230 Vac	
Speed RPM @ 50Hz		Speed RPM @ 60Hz	
<input type="radio"/> 125 rpm <input type="radio"/> 250 rpm <input type="radio"/> 500 rpm <input type="radio"/> other rpm	<input type="radio"/> 150 rpm <input type="radio"/> 300 rpm <input type="radio"/> 600 rpm <input type="radio"/> other rpm		
Running Torque:		Other requirements:	



STEGIA
Innovative drive technology since 1993