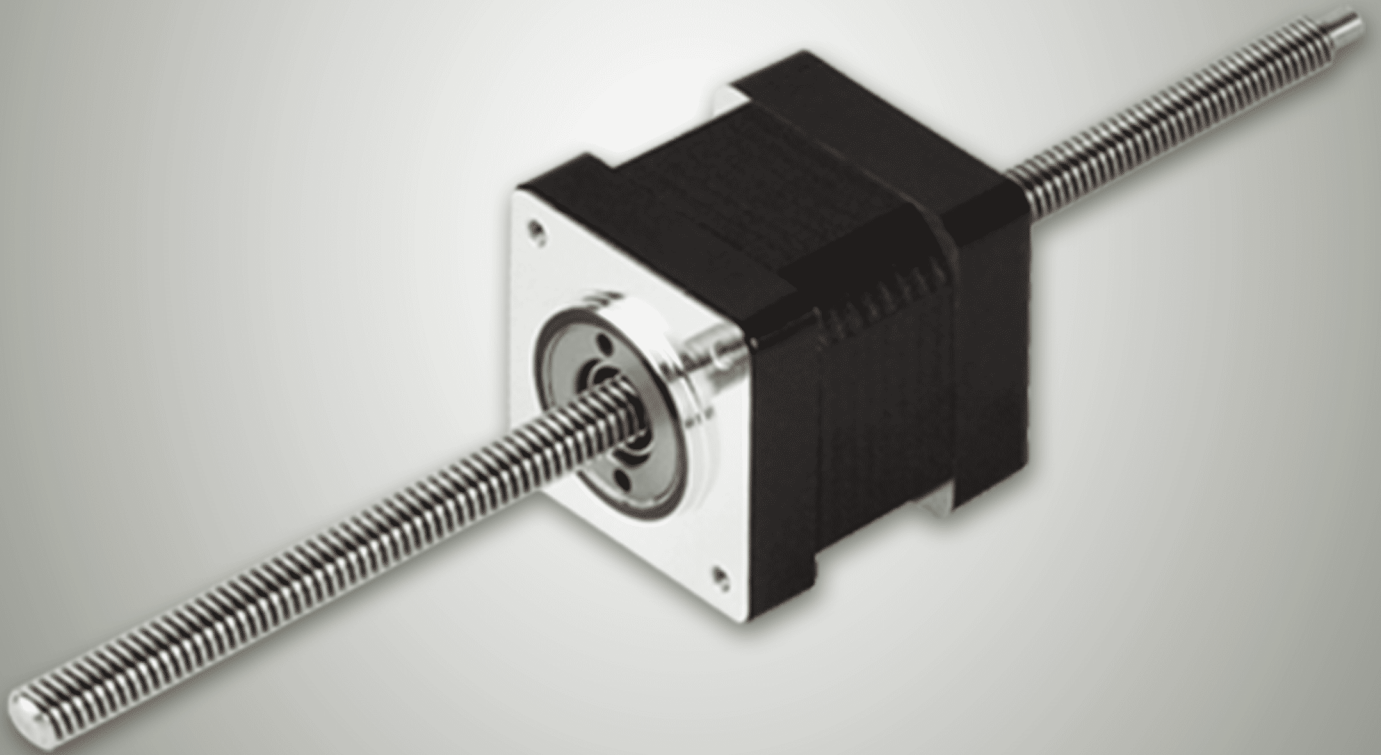




Linear Actuators – Hybrid Steppers

Linear Actuators – Hybrid Steppers

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SLSLA - Size 6 [14mm]



The size 6 [14mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of 14mm square but provides 19N of Maximum thrust force.



<https://www.kocomotion.de/produkt/slsa-size-6-14mm/>

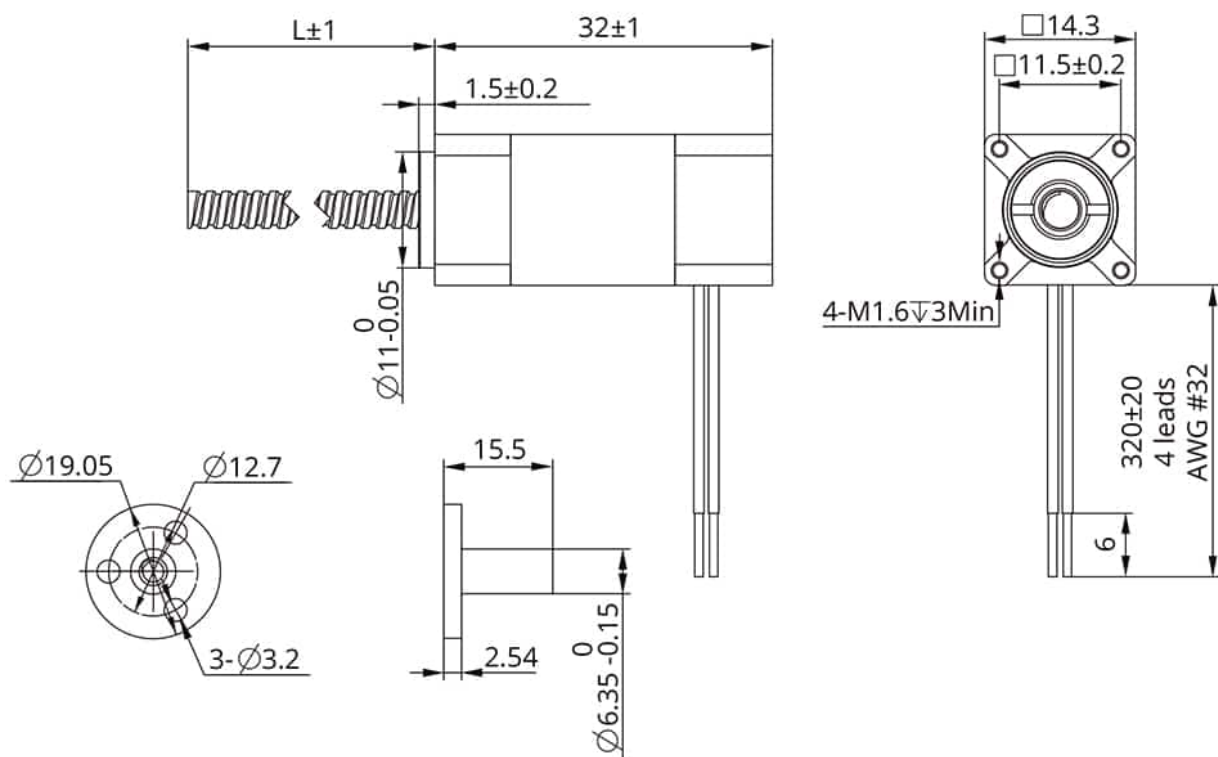
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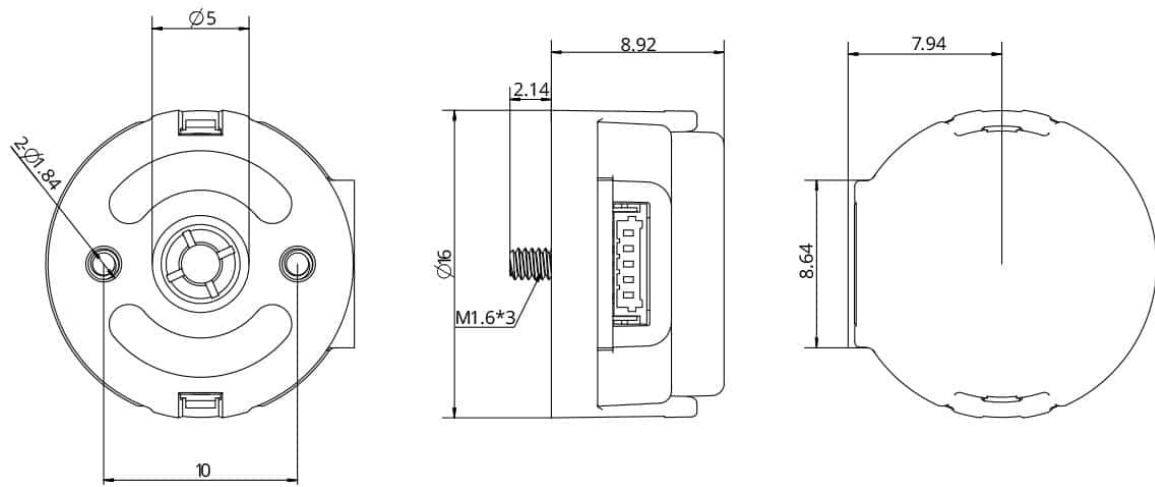
Seite

6-2103

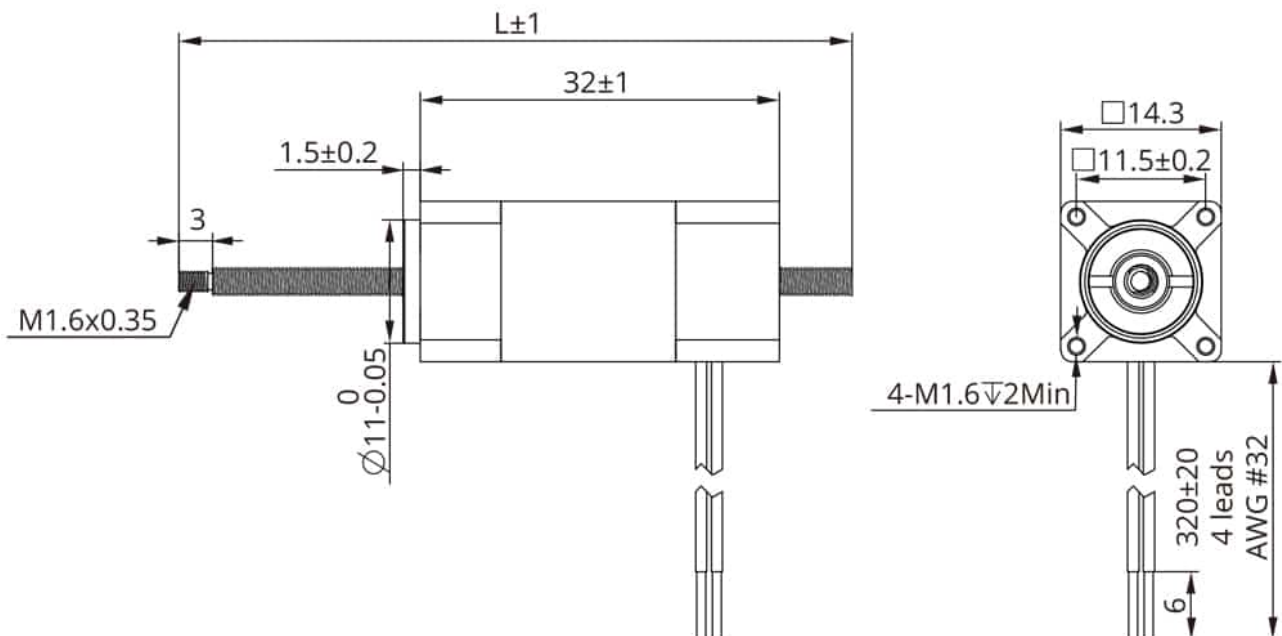
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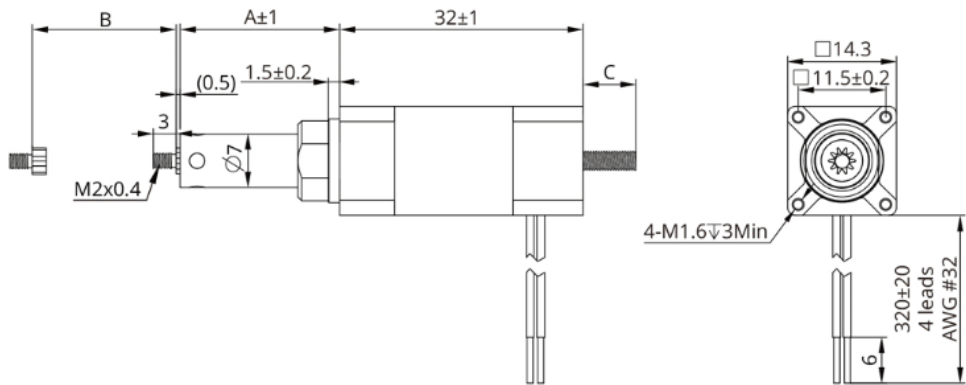
include __DIR__ . "/parts/spacer.php";





EK6 Encoder

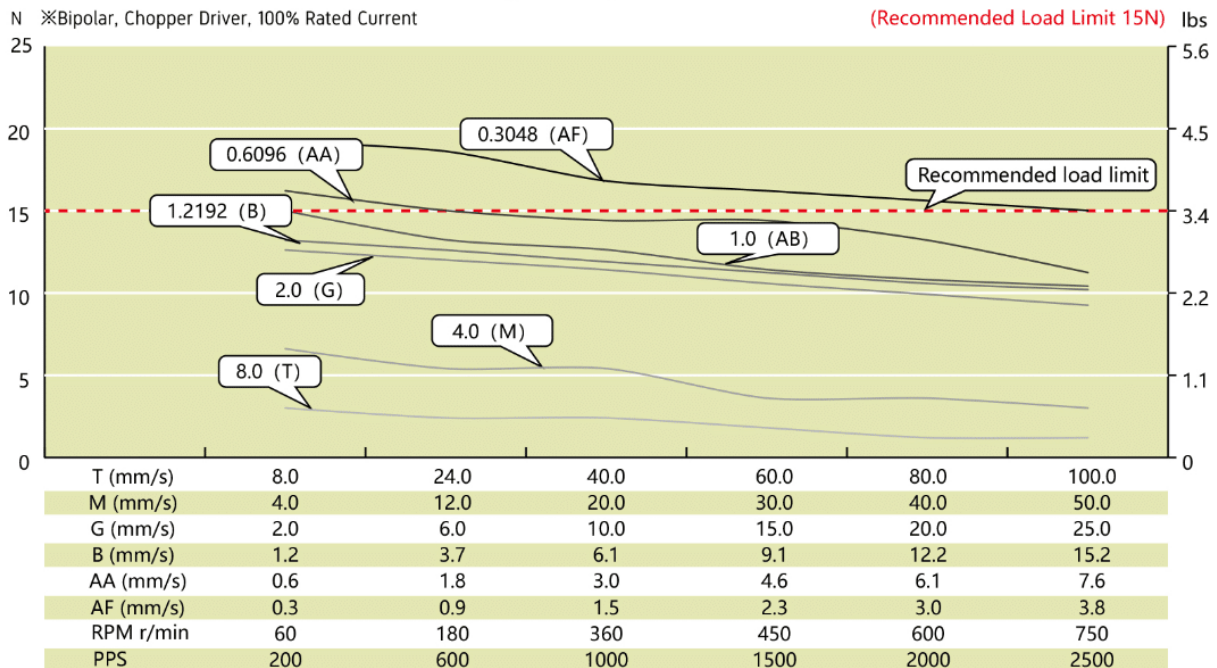




Stroke Specification

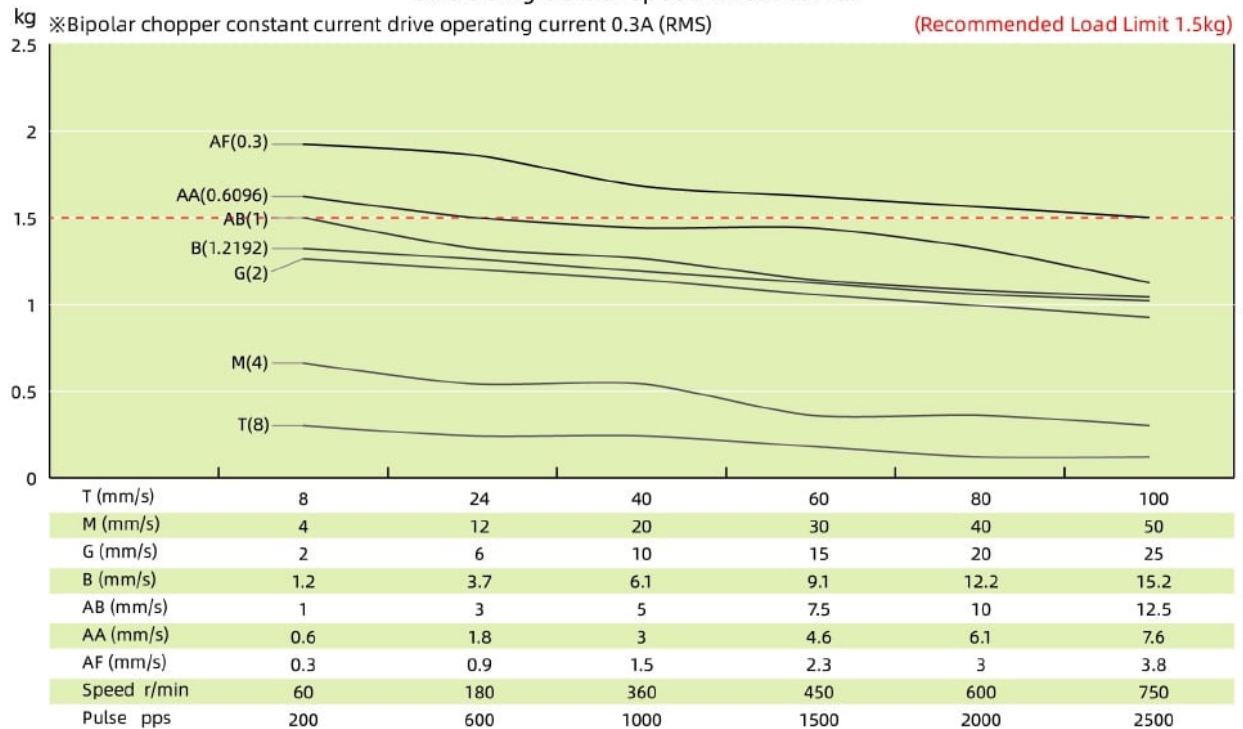
Size A (mm)	Stroke B (mm)	Size C (mm)
6	5	0
11	10	0
16	15	2
21	20	7

Size 6 Single Stack Speed Thrust Curves

**TEST CONDITION**

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 6 Single Stack Speed Thrust Curves

**TEST CONDITION**

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

6-2103

The size 6 [14mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of 14mm square but provides 19N of Maximum thrust force.



<https://www.kocomotion.de/produkt/6-2103/>



Specification	
Voltage	6.6 V
Current	0.3 A
Resistance	22 Ω
Inductance	3.6 mH
Weight	50 g
Lead Wire No.	4
Motor Length	32 mm
Size	6 Nema
Flange size	14 mm

Optionen

Encoder

- EK6

Stacks

- Single Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

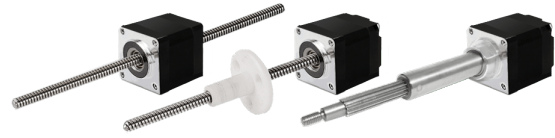
- Teflon Coating

SLSLA - Size 8 [20mm]

Size 8 [20mm] Stepper Lead Screw Linear Actuator unit can be integrated into various applications to provide precise linear positioning while occupying less than 1 in² of mounting footprint and providing up to 45N of continuous thrust. Size 8 Stepper Lead Screw Linear Actuator has three form factors available - External, Non-captive and Kaptive.



<https://www.kocomotion.de/produkt/slsa-size-8-20mm/>



Produkte:

Seite

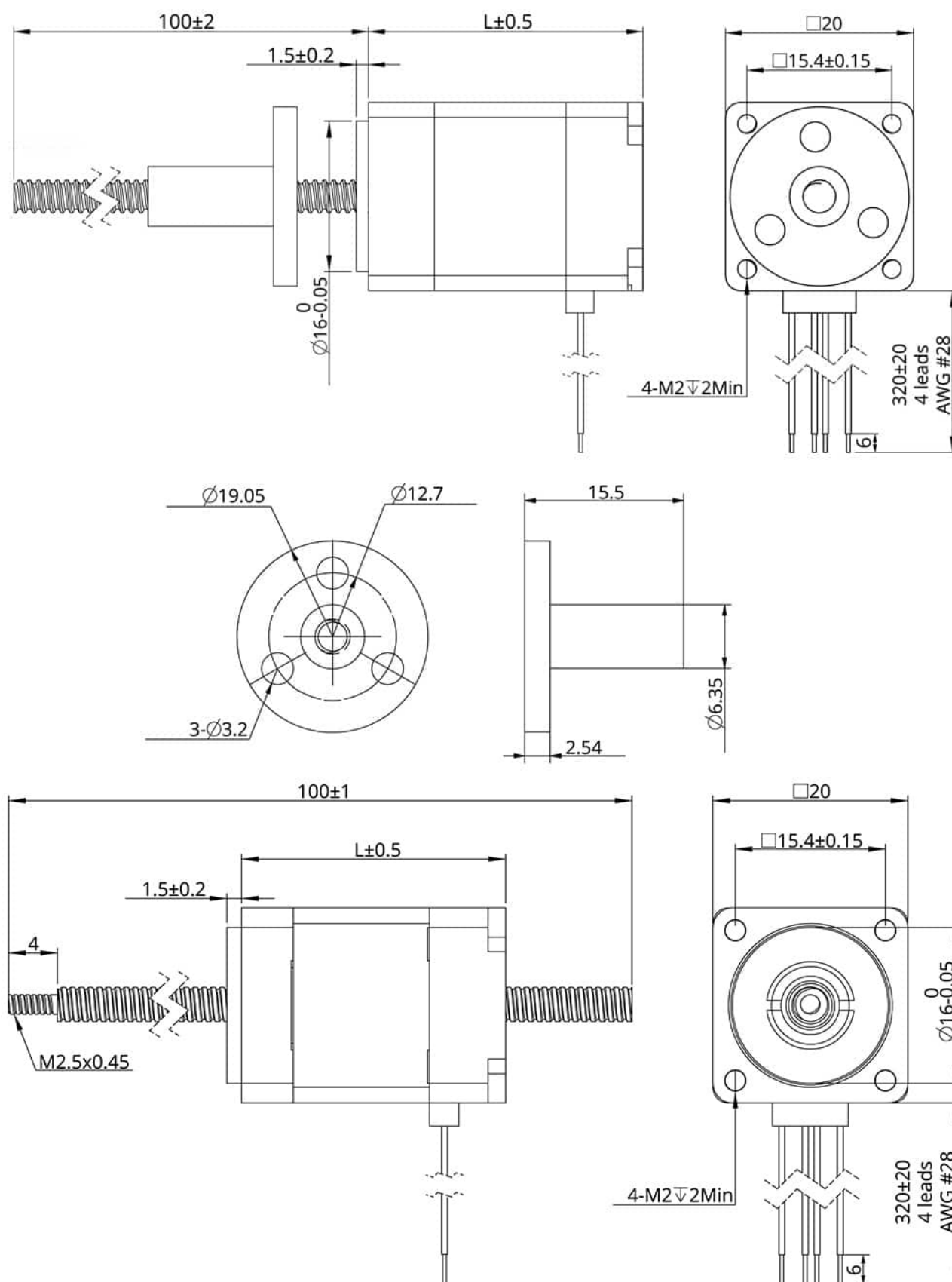
8-2105

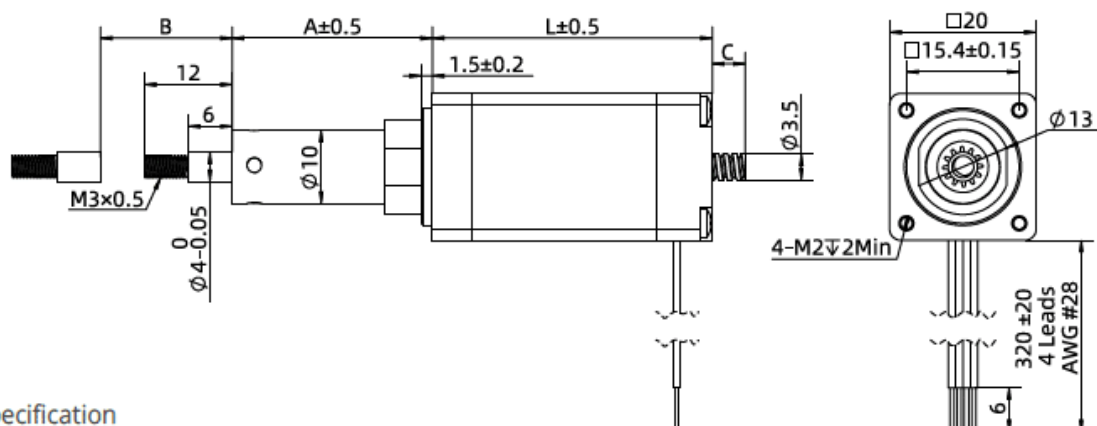
20

8-2205

22

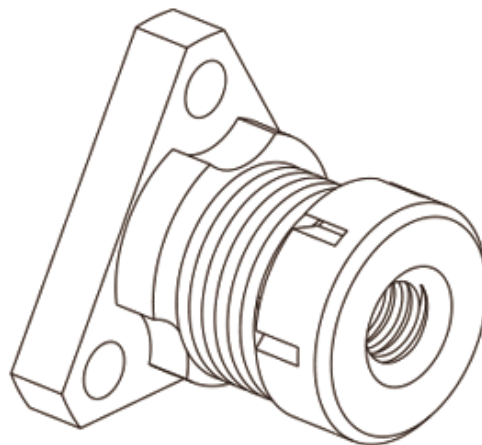
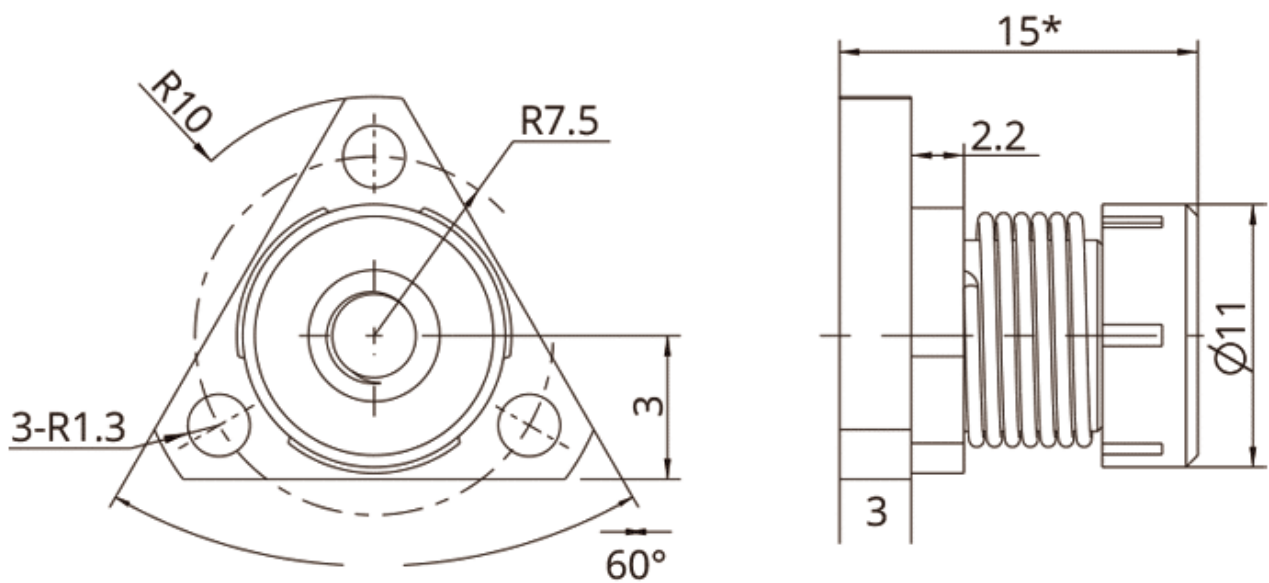
include __DIR__ . "/parts/spacer.php";



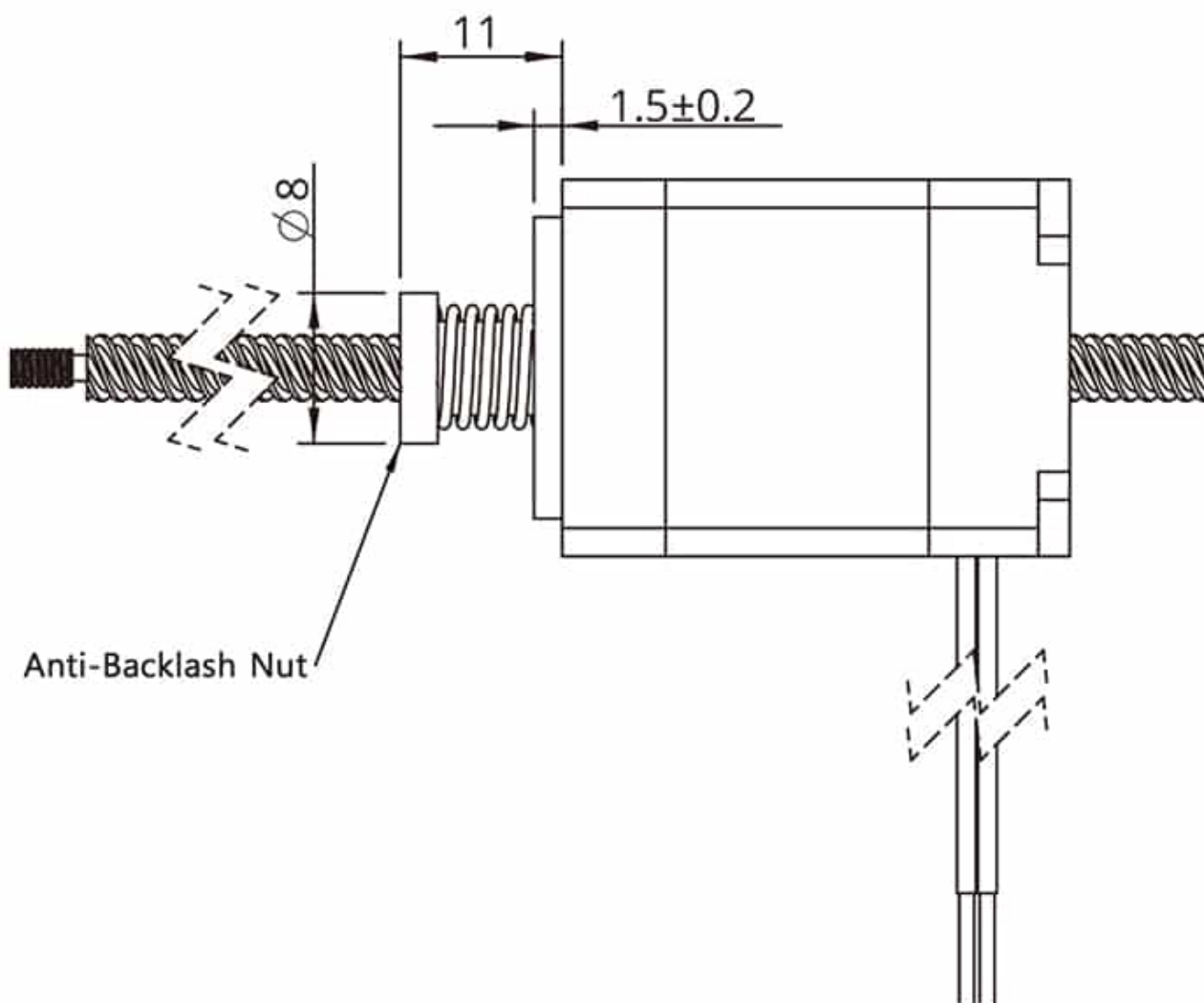


● Stroke Specification

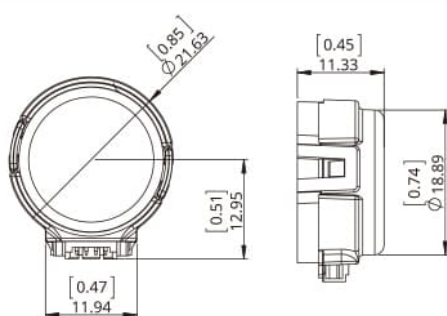
Size A (mm)	Stroke B (mm)	Size L (mm)	
		L=27.2	L=38.1
11.2	9	1	0
14.9	12.7	5	0
21.1	19.05	11	0
27.6	25.4	17	6
34	31.8	24	13
40.3	38.1	30	19



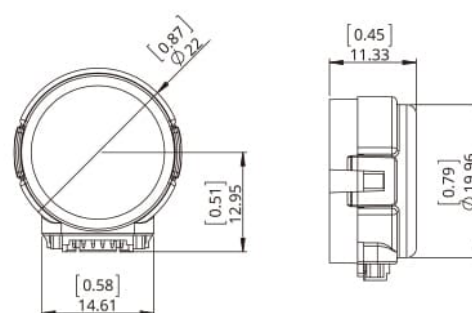
Size 8 (20mm) & Size 11 (28mm) Torsion Spring Anti-Backlash Nut



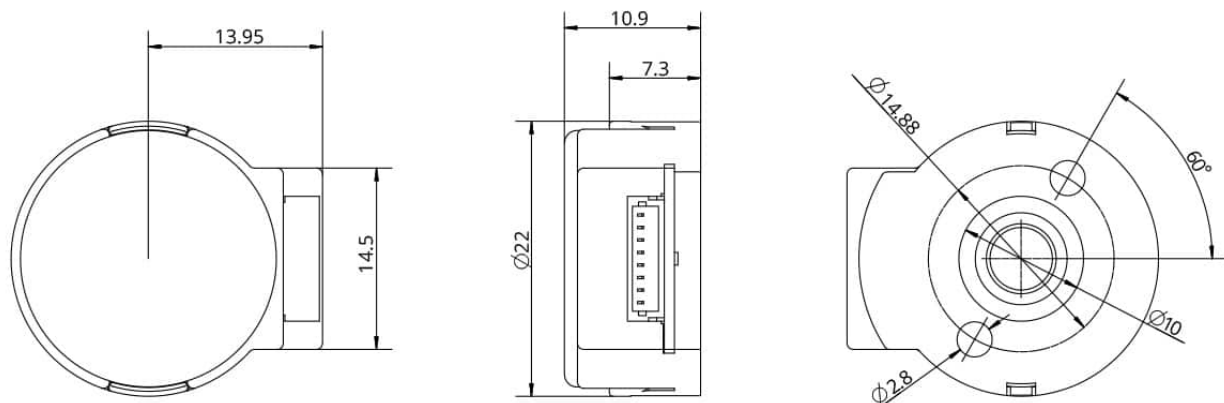
Size 8 (20mm)



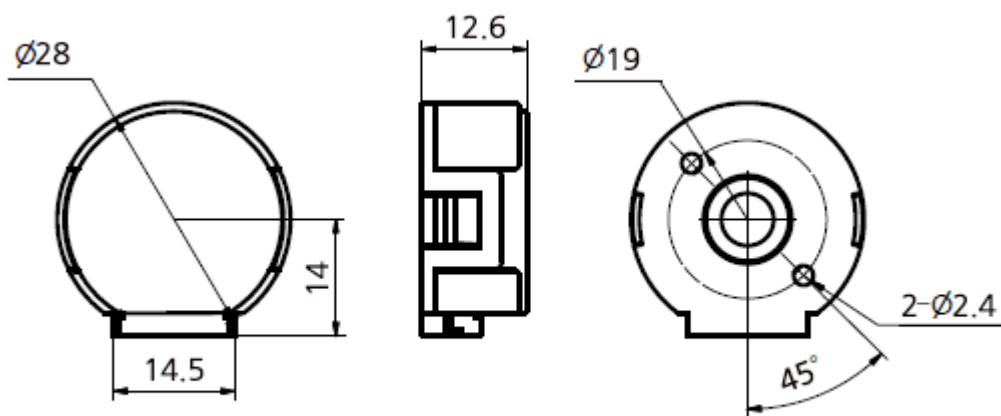
EK1 Encoder - Single ended output



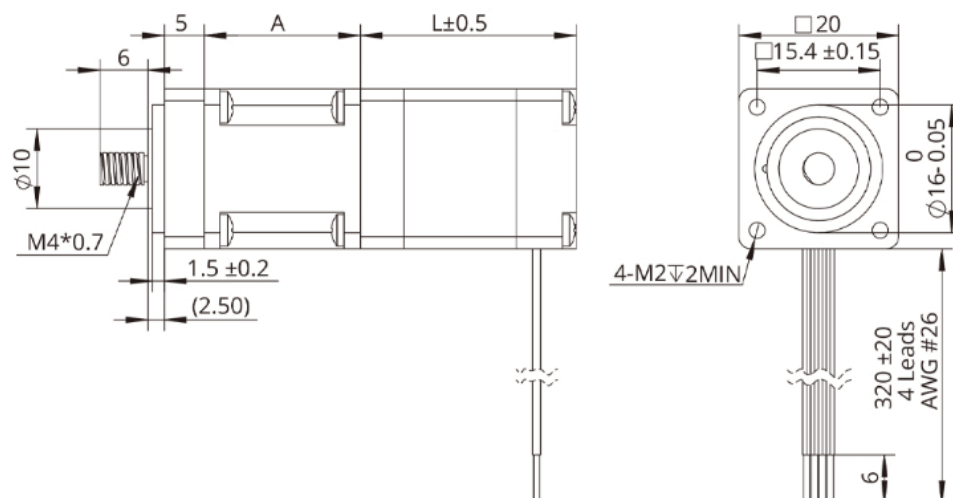
EK1 Encoder - Differential output



EK5 Encoder



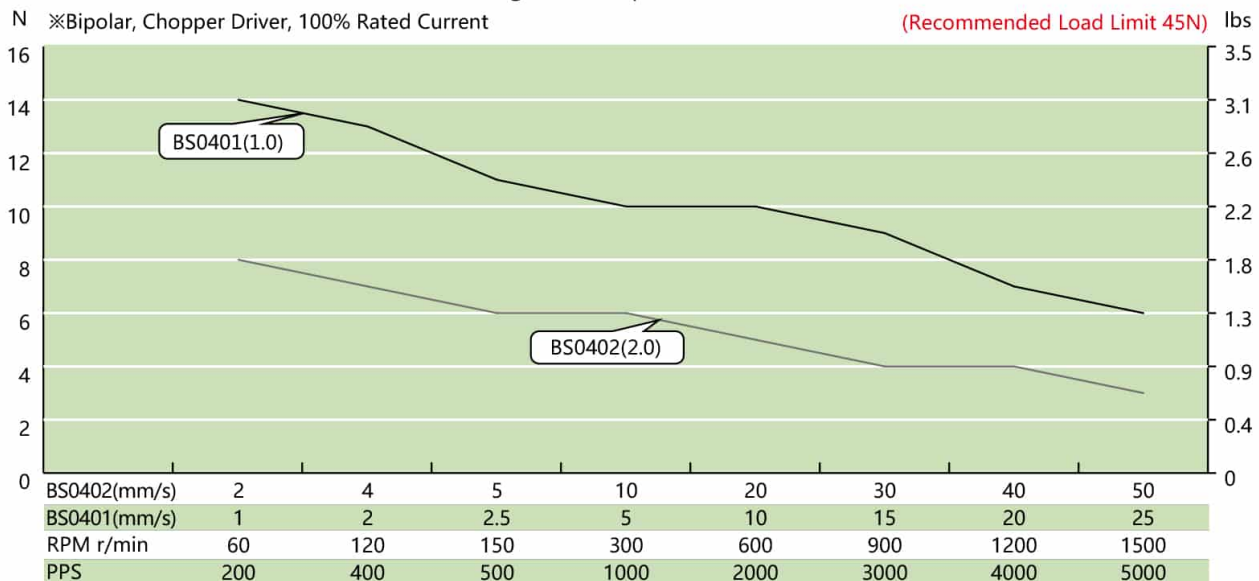
KPL28 Encoder



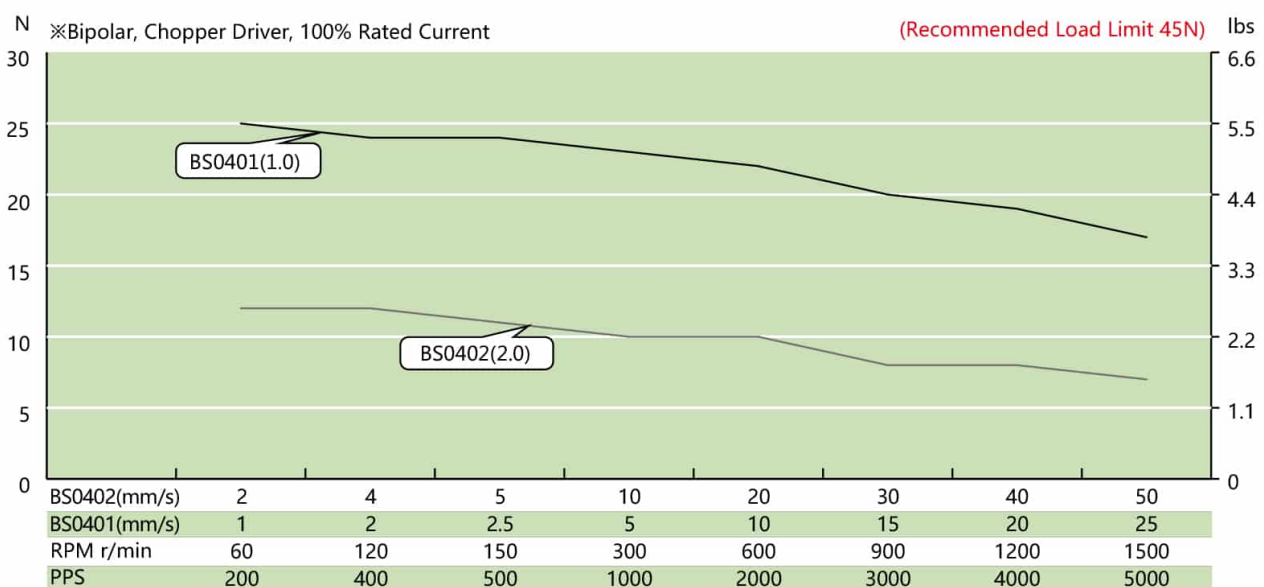
Stroke Specification

Size A (mm)	Stroke B (mm)	Size L (mm)	
22.2	12.7	Single stack motor 27.2mm	Double stack motor 38.1mm
28.55	19.05		
34.9	25.4		
41.3	31.8		
47.6	38.1		
60.3	50.8		
73	63.5		

Size 8 Single Stack Speed Thrust Curves



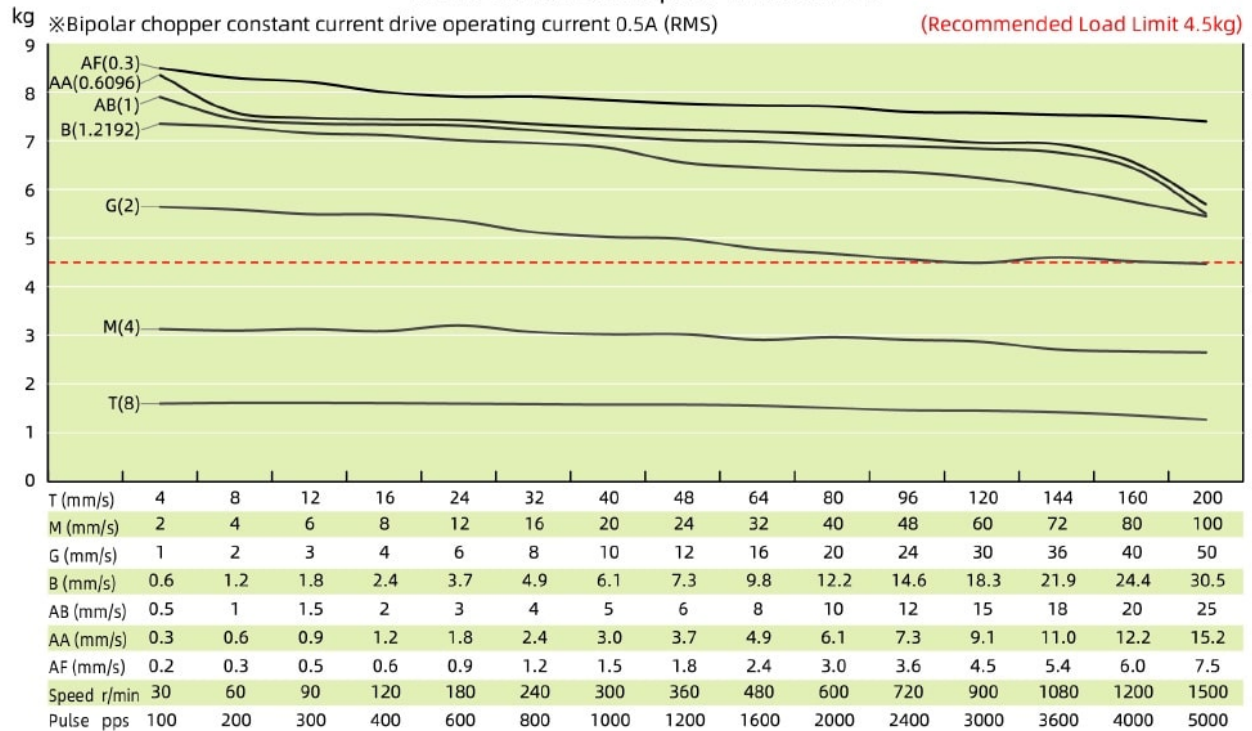
Size 8 Double Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

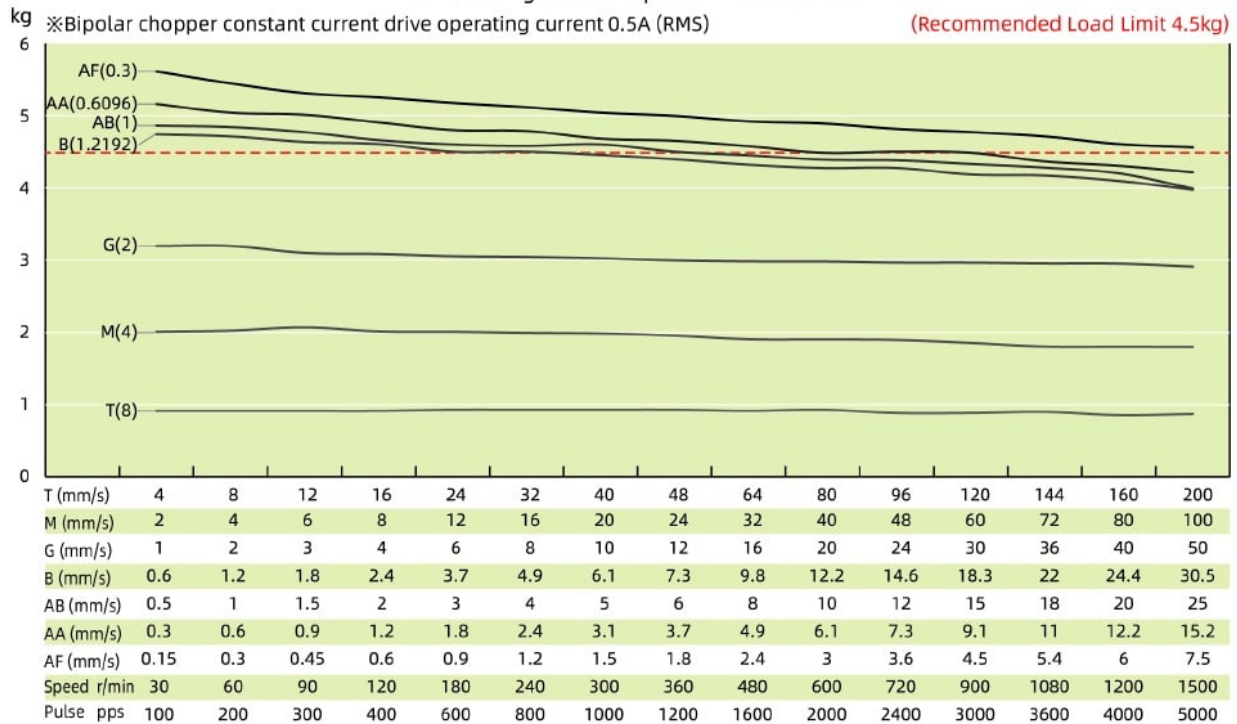
Size 8 Double Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).
Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 8 Single Stack Speed Thrust Curves

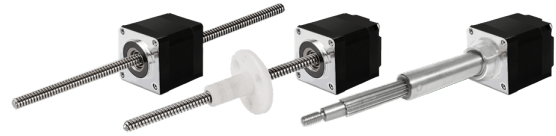


TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).
Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

8-2105

Size 8 [20mm] Stepper Lead Screw Linear Actuator unit can be integrated into various applications to provide precise linear positioning while occupying less than 1 in² of mounting footprint and providing up to 45N of continuous thrust. Size 8 Stepper Lead Screw Linear Actuator has three form factors available - External, Non-captive and Kaptive.



<https://www.kocomotion.de/produkt/8-2105/>

Specification	
Voltage	2.5 V
Current	0.5 A
Resistance	5.1 Ω
Inductance	1.5 mH
Weight	51 g
Lead Wire No.	4
Motor Length	27.2 mm
Size	8 Nema
Flange size	20 mm

Optionen

Encoder

- EK1
- EK5
- KPL28

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

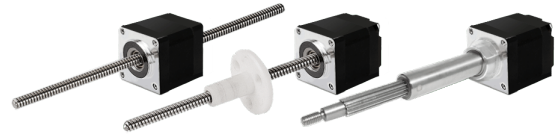
- Teflon Coating

8-2205

Size 8 [20mm] Stepper Lead Screw Linear Actuator unit can be integrated into various applications to provide precise linear positioning while occupying less than 1 in² of mounting footprint and providing up to 45N of continuous thrust. Size 8 Stepper Lead Screw Linear Actuator has three form factors available - External, Non-captive and Kaptive.



<https://www.kocomotion.de/produkt/8-2205/>



Specification	
Voltage	4.4 V
Current	0.5 A
Resistance	8.8 Ω
Inductance	2.7 mH
Weight	74 g
Lead Wire No.	4
Motor Length	38.1 mm
Size	8 Nema
Flange size	20 mm

Optionen

Encoder

- EK1
- EK5
- KPL28

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

SLSLA - Size 11 [28mm]



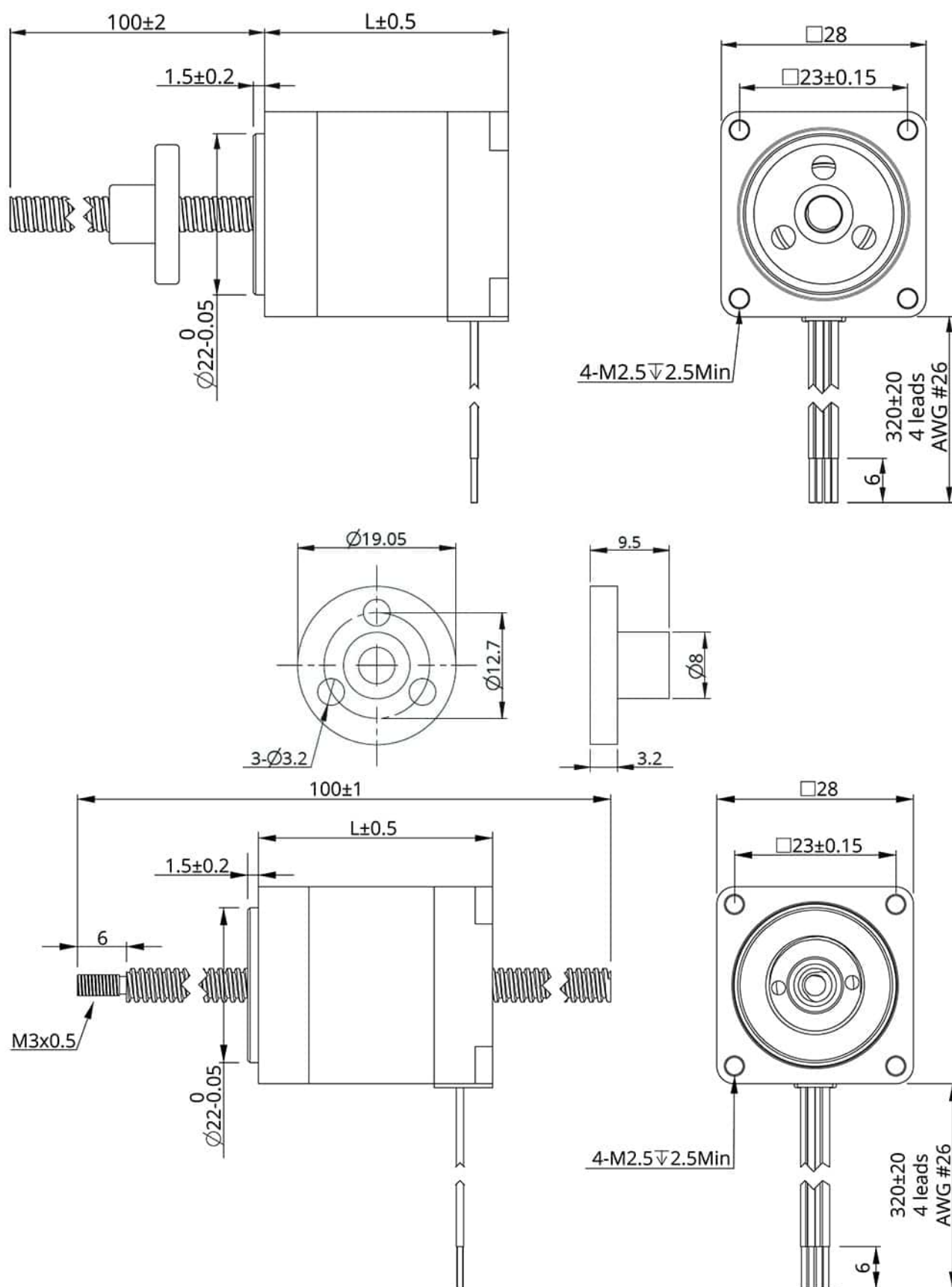
Size 11 [28mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of slightly above 1 in2 but provides over 140N of continuous thrust, over 3x as that of the size 8. Size 11 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-captive, Electrical Cylinder (Captive) and Kaptive.

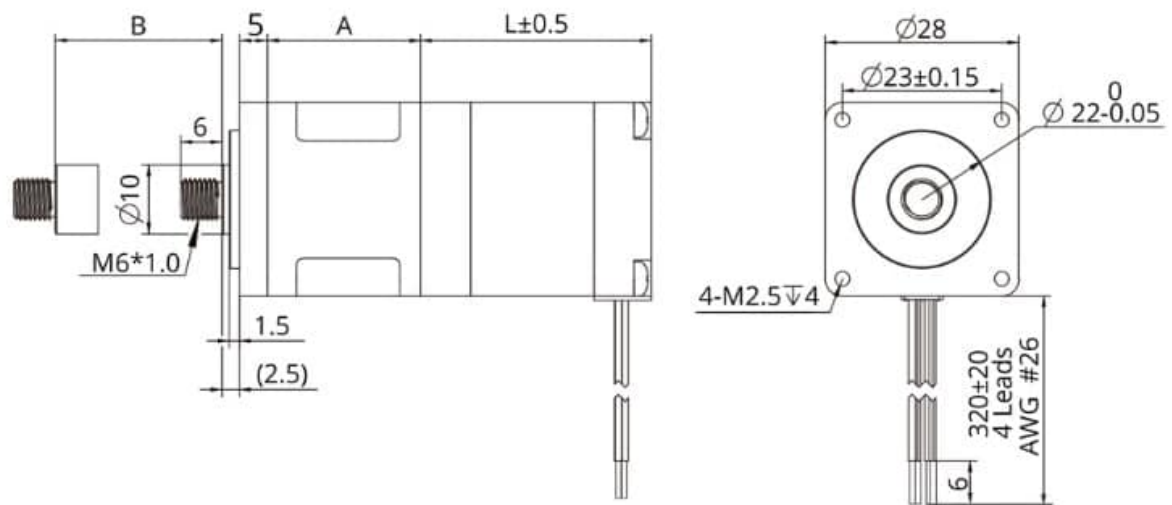


<https://www.kocomotion.de/produkt/slsla-size-11-28mm/>

Produkte:	Seite
11-2105	35
11-2110	37
11-2209	39
11-2216	41

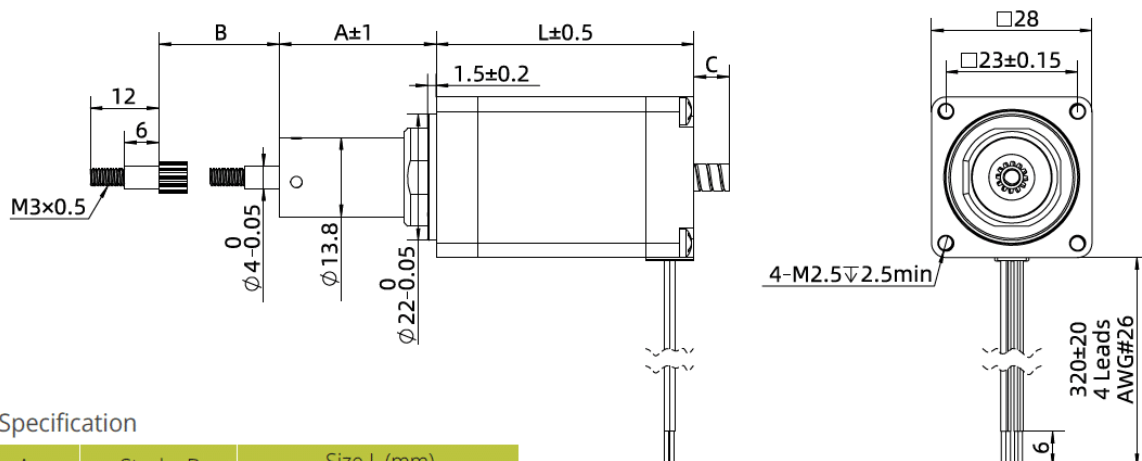
include __DIR__ . "/parts/spacer.php";





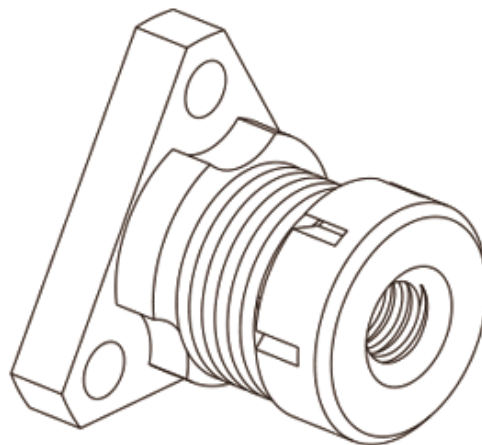
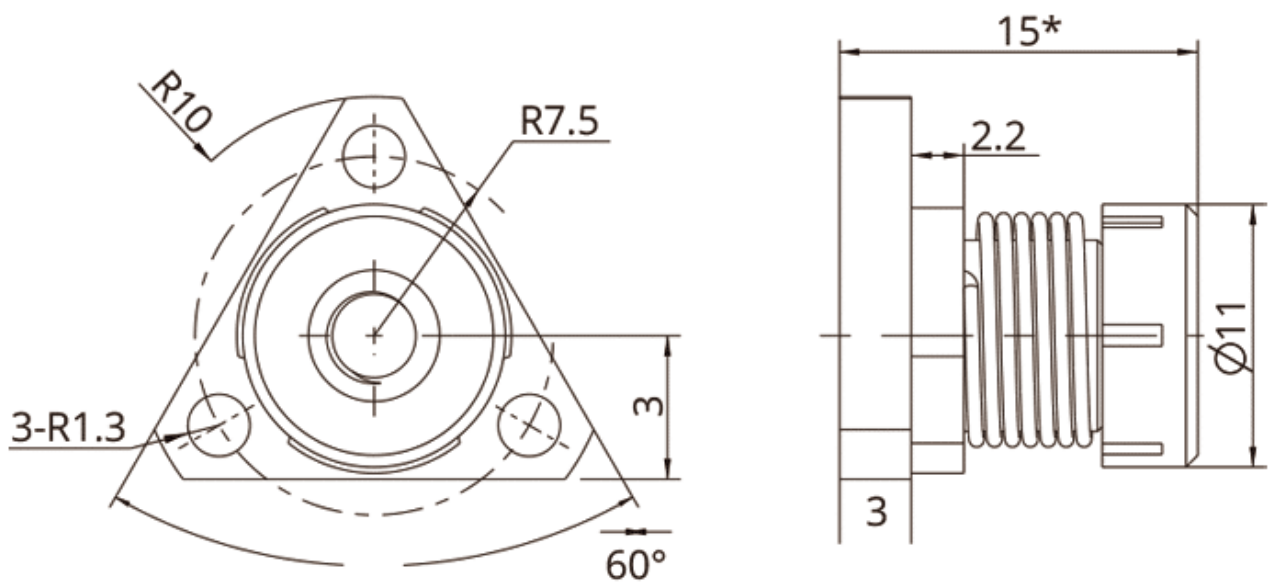
Stroke Specification

Size A (mm)	Stroke B (mm)	L (mm)	
22.20	12.70	Single Stack Motor 33.35	Double Stack Motor 45
28.55	19.05		
34.90	25.40		
41.30	31.80		
47.60	38.10		
60.30	50.80		
73.00	63.50		

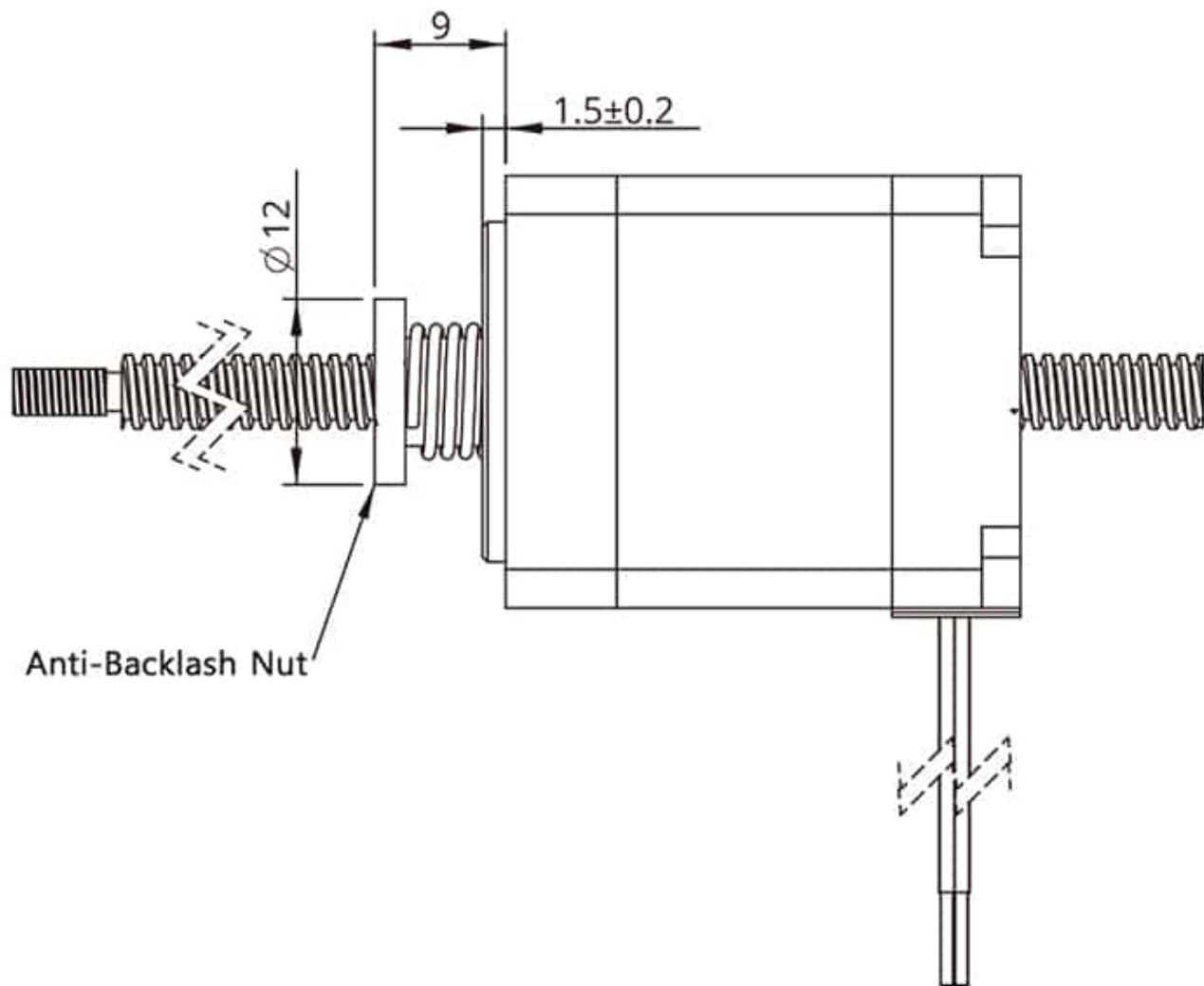


● Stroke Specification

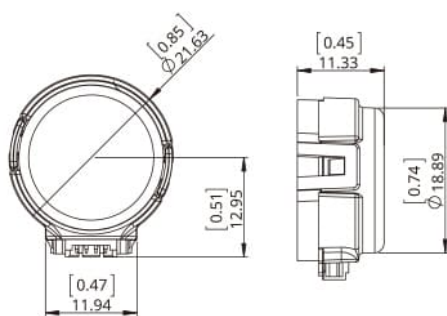
Size A (mm)	Stroke B (mm)	Size L (mm)	
		L=33.35	L=45
15.7	12.7	1	0
22.1	19.05	7.4	0
28.4	25.4	13.7	4
34.8	31.8	20.1	10.4
41.1	38.1	26.4	16.8
53.8	50.8	39	29.4
66.5	63.5	52.7	42.1



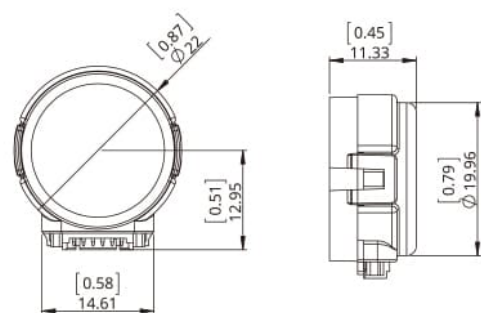
Size 8 (20mm) & Size 11 (28mm)
Torsion Spring Anti-Backlash Nut



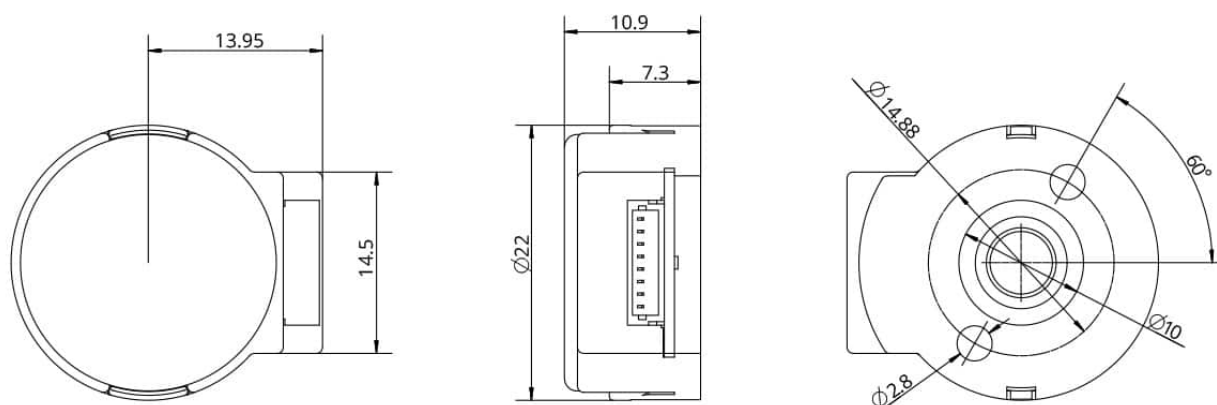
Size 11 (28mm)



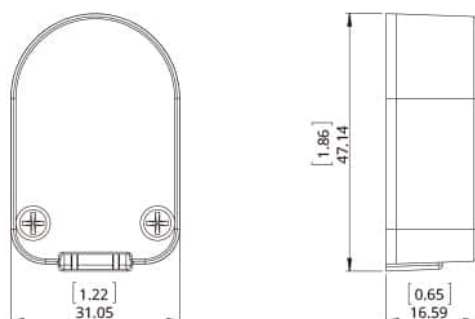
EK1 Encoder - Single ended output



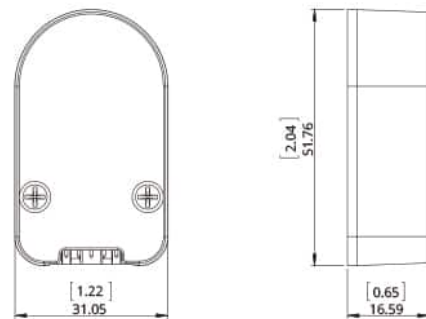
EK1 Encoder - Differential output



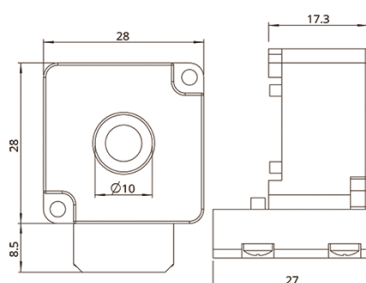
EK5 Encoder



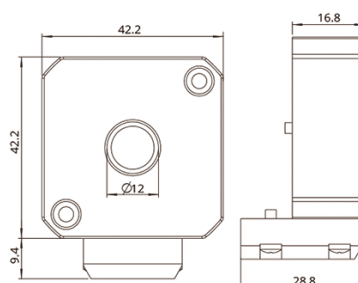
EK2 Encoder - Single ended output



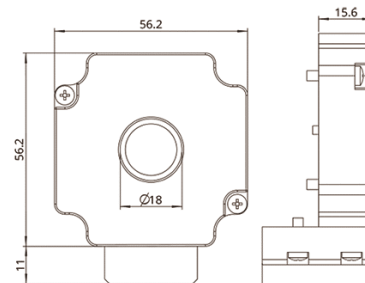
EK2 Encoder - Differential output



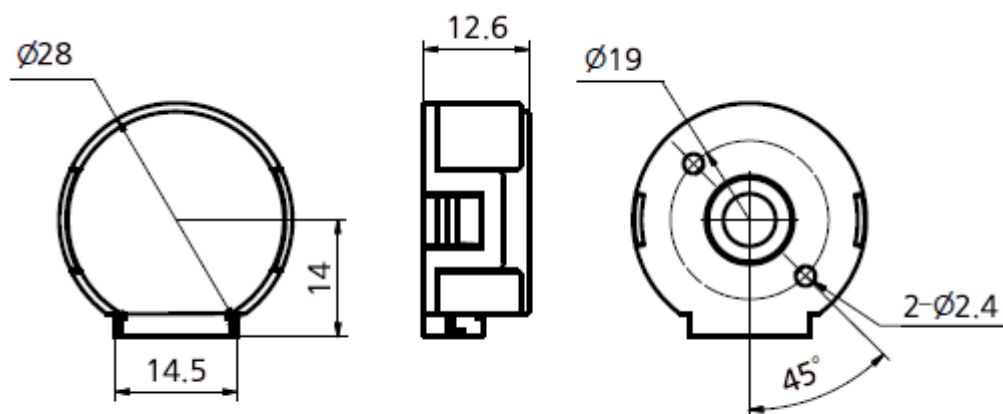
EK4 Encoder 11



EK4 Encoder 17

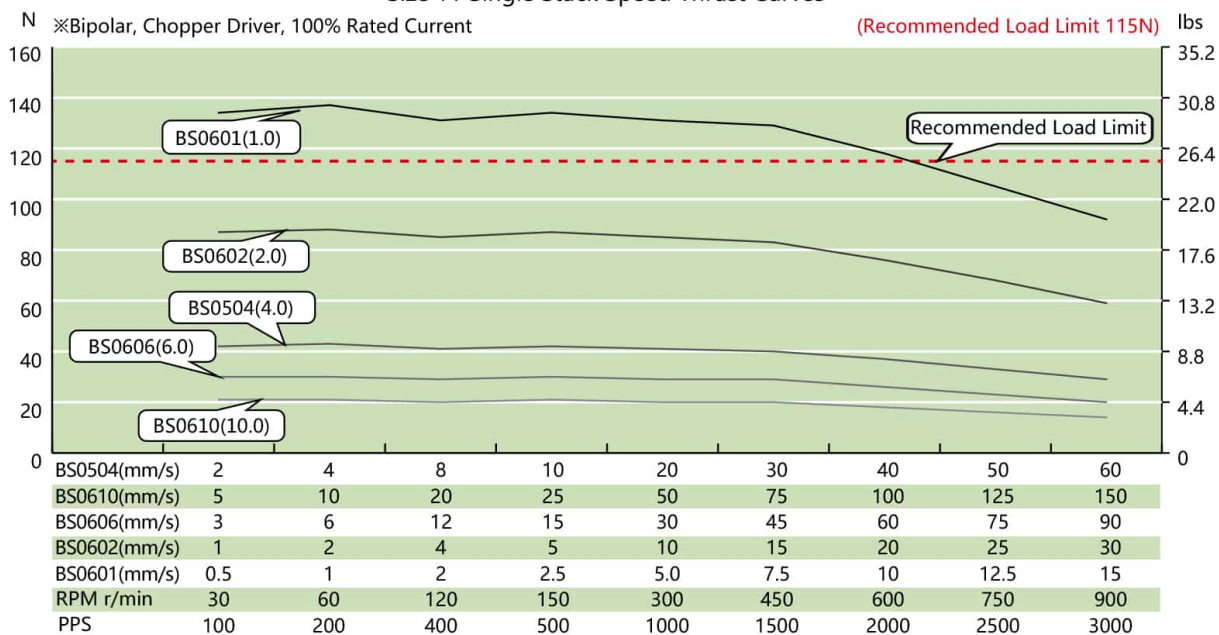


EK4 Encoder 23

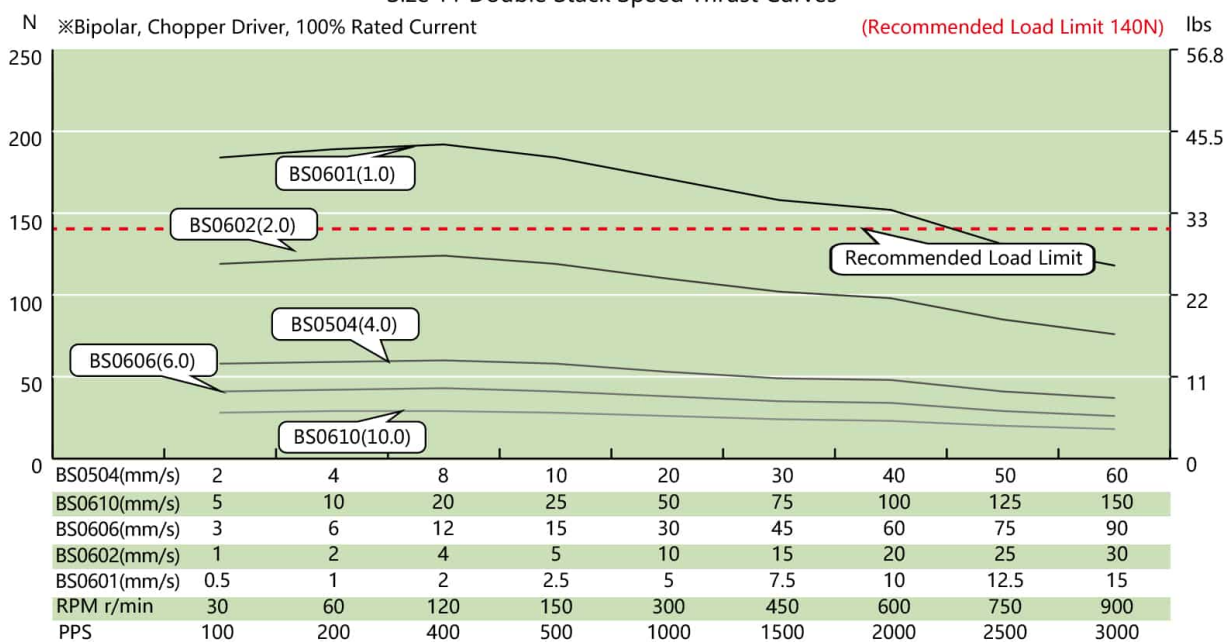


KPL28 Encoder

Size 11 Single Stack Speed Thrust Curves



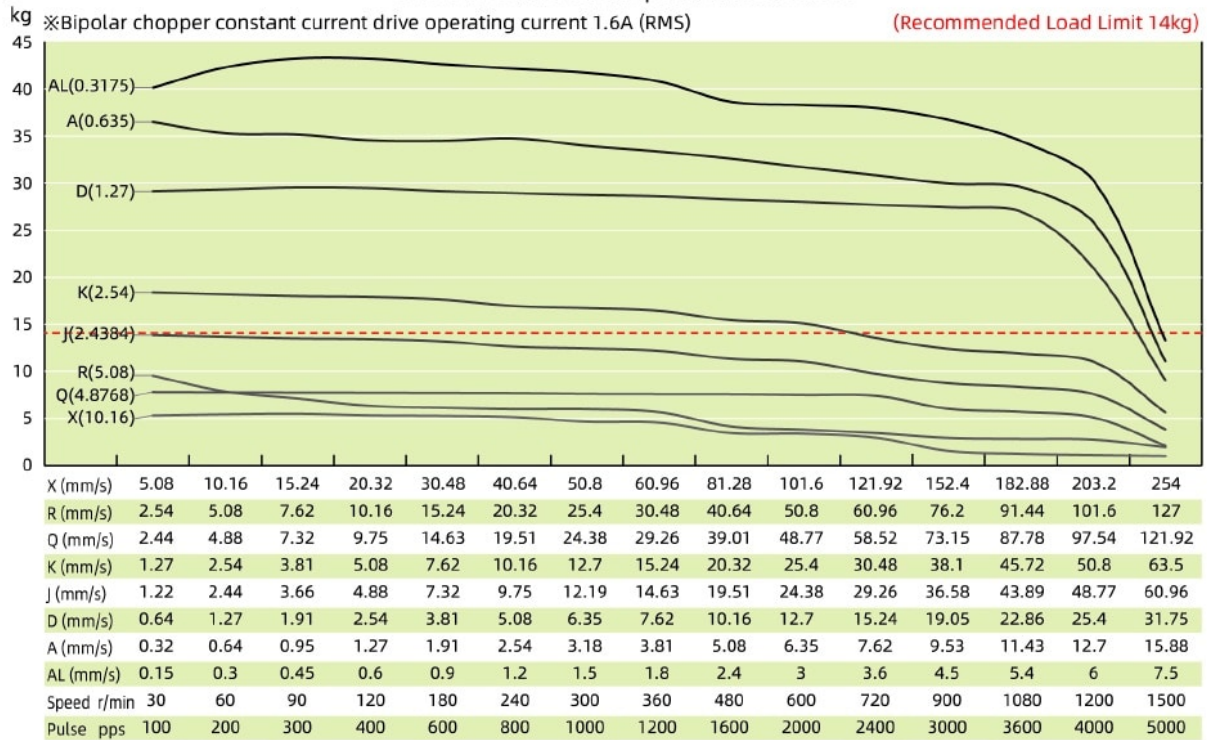
Size 11 Double Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 11 Double Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).
Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 11 Single Stack Speed Thrust Curves

※Bipolar chopper constant current drive operating current 1A (RMS)

(Recommended Load Limit 14kg)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).
Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

11-2105

Size 11 [28mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of slightly above 1 in2 but provides over 140N of continuous thrust, over 3x as that of the size 8. Size 11 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/11-2105/>



Specification	
Voltage	4.55 V
Current	0.5 A
Resistance	9.1 Ω
Inductance	6 mH
Weight	117 g
Lead Wire No.	4
Motor Length	33.5 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

11-2110

Size 11 [28mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of slightly above 1 in2 but provides over 140N of continuous thrust, over 3x as that of the size 8. Size 11 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/11-2110/>



Specification	
Voltage	2.1 V
Current	1 A
Resistance	2.1 Ω
Inductance	1.5 mH
Weight	117 g
Lead Wire No.	4
Motor Length	33.5 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

11-2209

Size 11 [28mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of slightly above 1 in2 but provides over 140N of continuous thrust, over 3x as that of the size 8. Size 11 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/11-2209/>



Specification	
Voltage	3.9 V
Current	0.95 A
Resistance	4.1 Ω
Inductance	4 mH
Weight	173 g
Lead Wire No.	4
Motor Length	45 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

11-2216

Size 11 [28mm] Stepper Lead Screw Linear Actuator occupies a mounting footprint of slightly above 1 in2 but provides over 140N of continuous thrust, over 3x as that of the size 8. Size 11 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/11-2216/>



Specification	
Voltage	2.4 V
Current	1.6 A
Resistance	1.5 Ω
Inductance	1.3 mH
Weight	173 g
Lead Wire No.	4
Motor Length	45 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

SLSLA - Size 14 [35mm]

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.

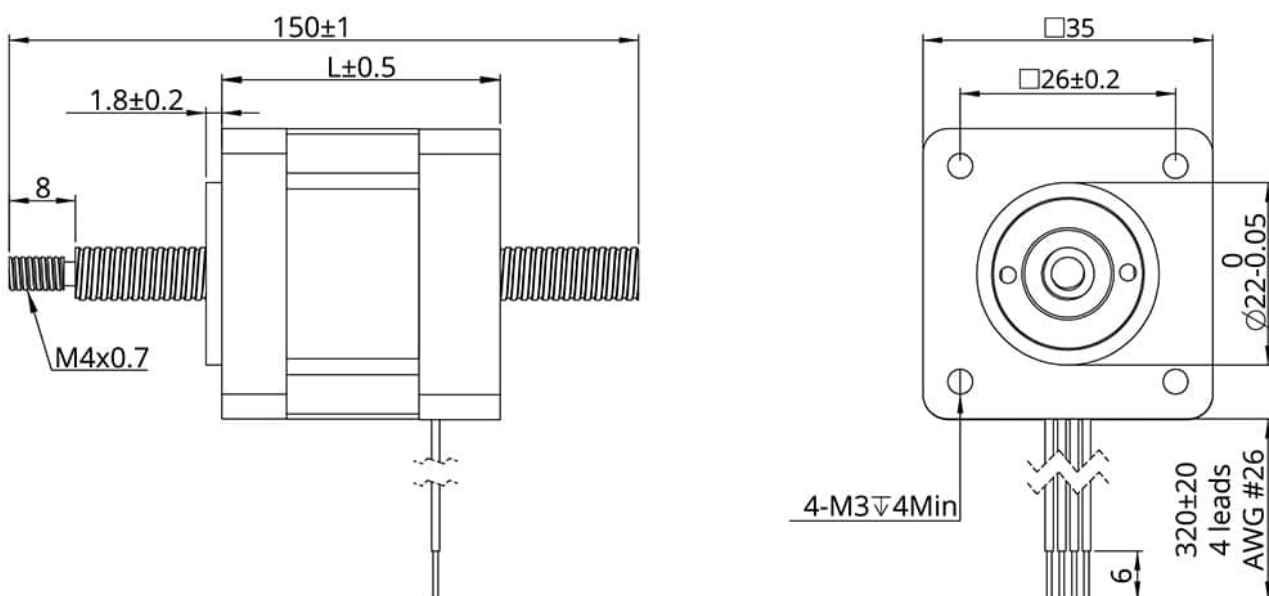
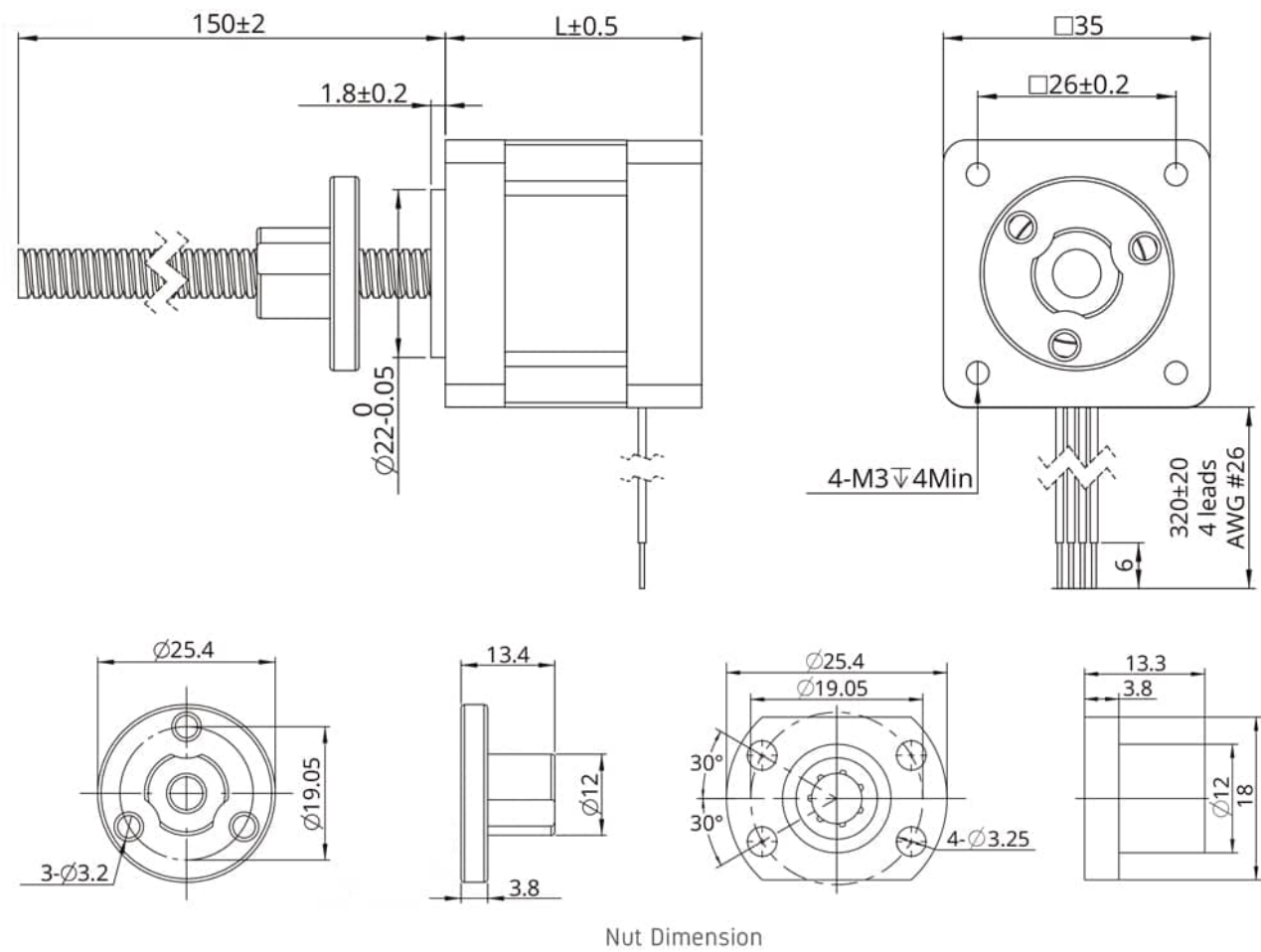


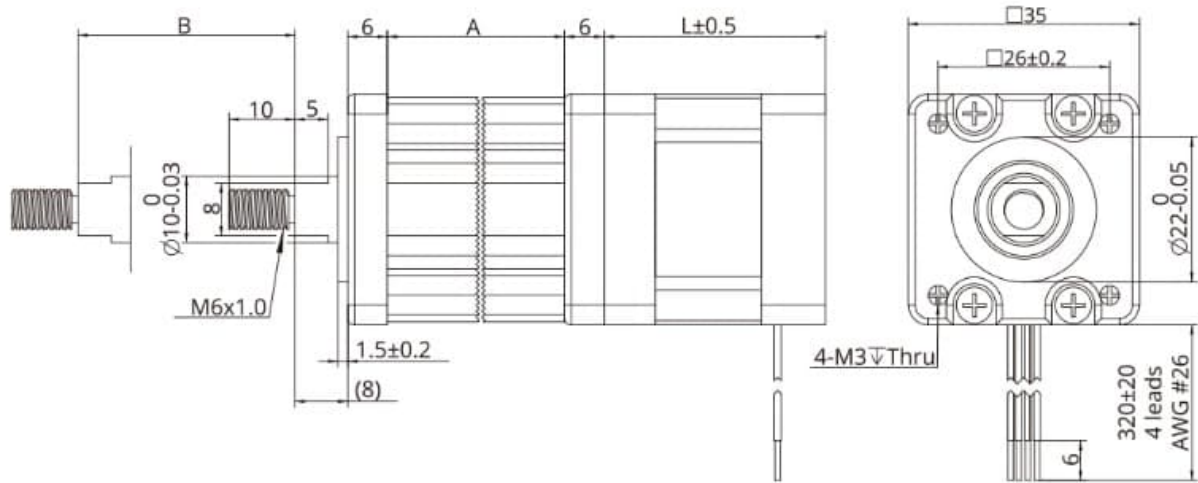
<https://www.kocomotion.de/produkt/slsa-size-14-35mm/>



Produkte:	Seite
14-2105	52
14-2110	54
14-2115	56
14-2205	58
14-2210	60
14-2215	62

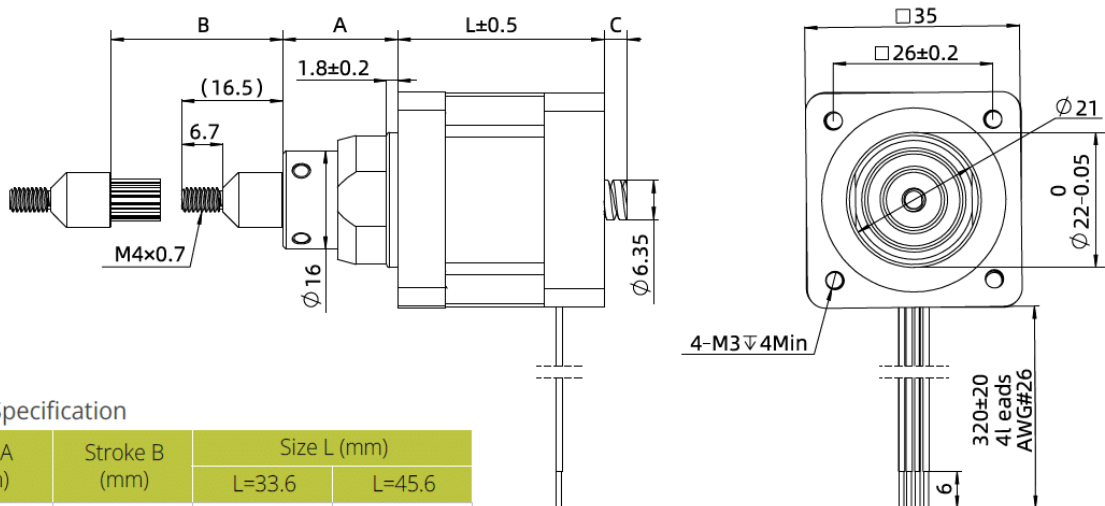
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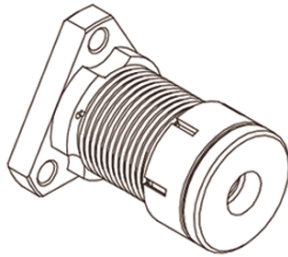
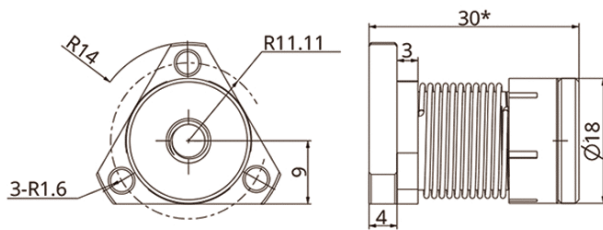
Stroke Specification

Size A (mm)	Stroke B (mm)	L (mm)	
35.70	12.70	Single Stack Motor 33.6	Double Stack Motor 45.6
42.05	19.05		
48.40	25.40		
54.80	31.80		
61.10	38.10		
73.80	50.80		
86.50	63.50		

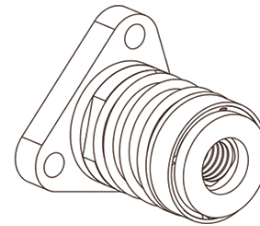
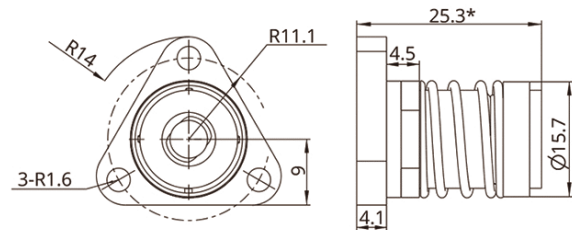


Stroke Specification

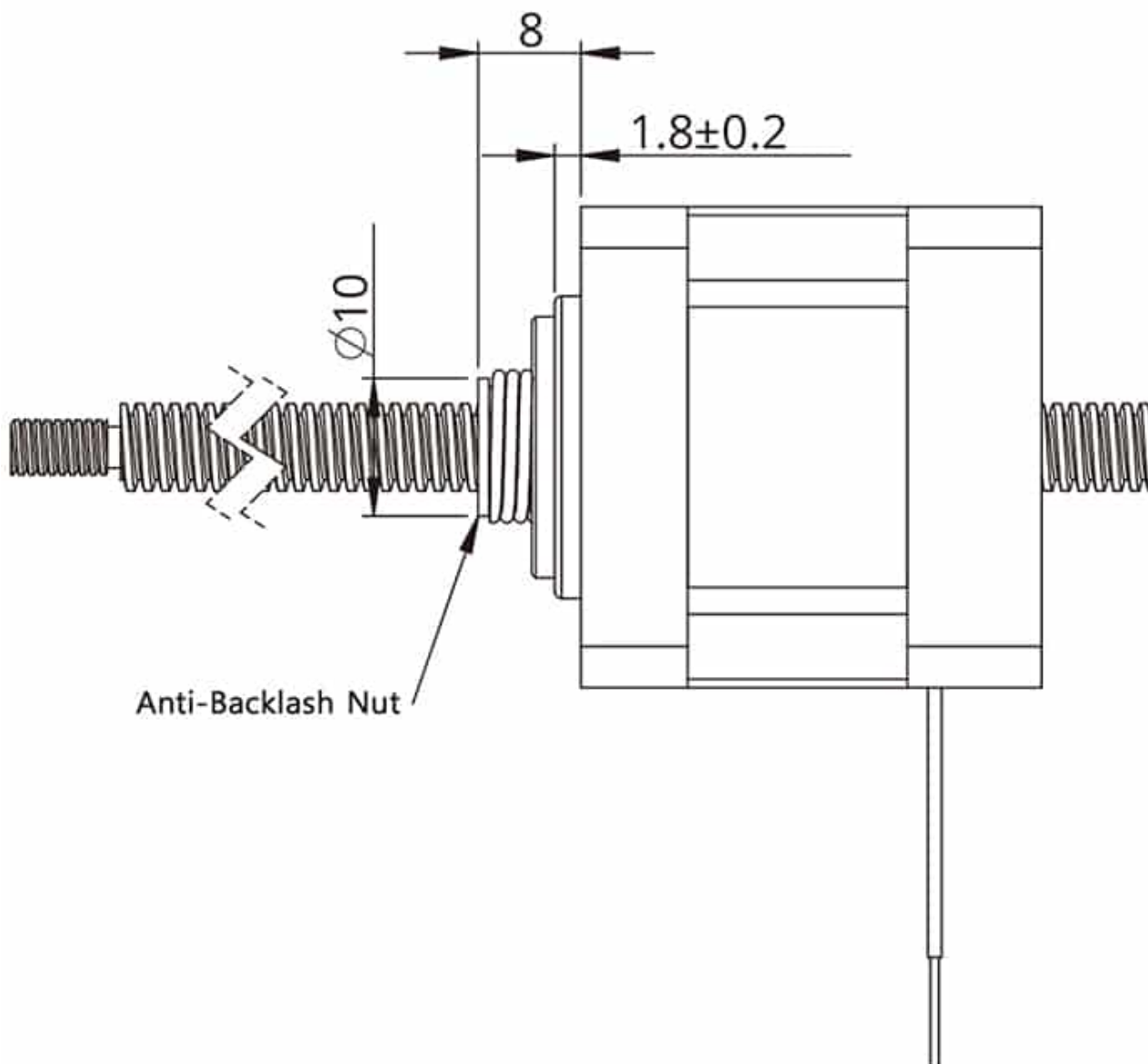
Size A (mm)	Stroke B (mm)	Size L (mm)	
		L=33.6	L=45.6
18.7	12.7	4.3	1.3
25.05	19.05	10.65	7.65
31.4	25.4	17	14
37.75	31.75	23.35	20.35
44.1	38.1	29.7	26.7
56.8	50.8	42.4	39.4
69.5	63.5	55.1	52.1



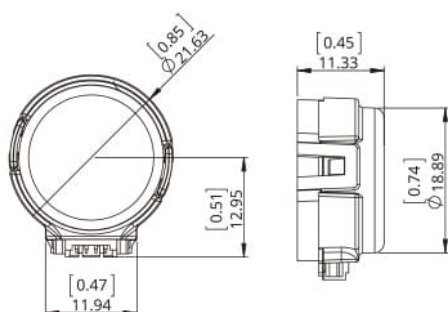
Size 14 (35mm) & Size 17 (42mm)
Torsion Spring Anti-Backlash Nut



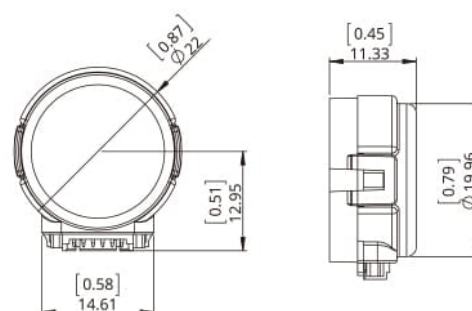
Size 14 (35mm) & Size 17 (42mm)
Compression Spring Anti-Backlash Nut



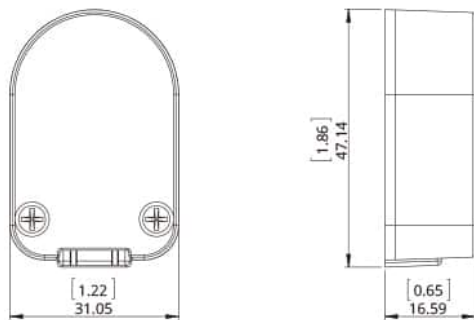
Size 14 (35mm)



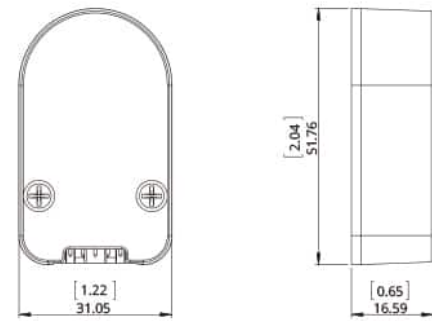
EK1 Encoder - Single ended output



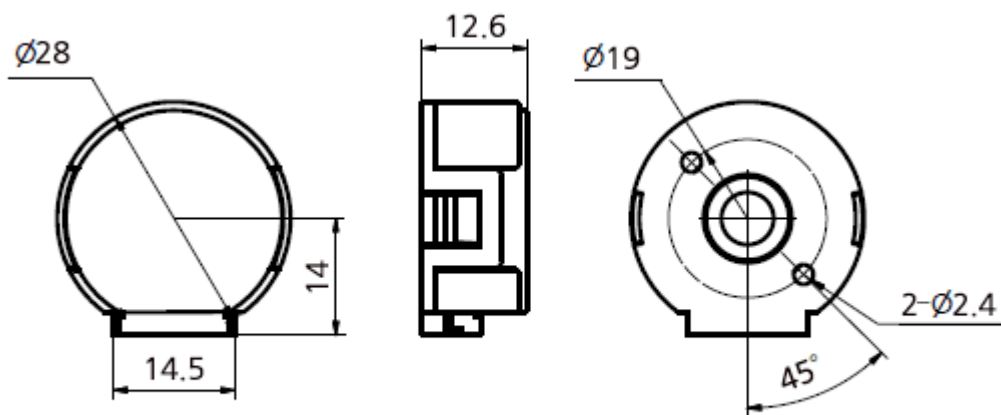
EK1 Encoder - Differential output



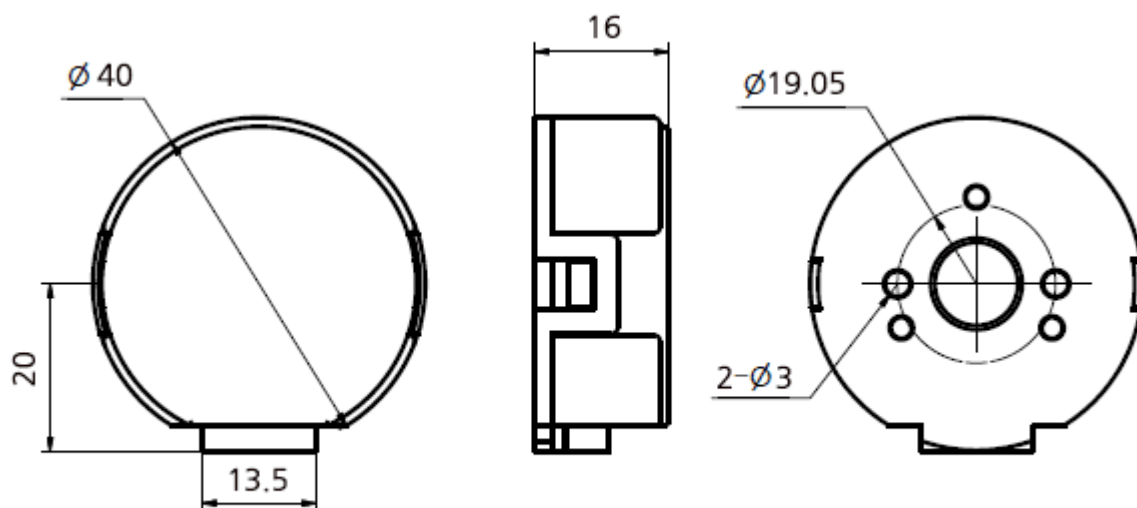
EK2 Encoder - Single ended output



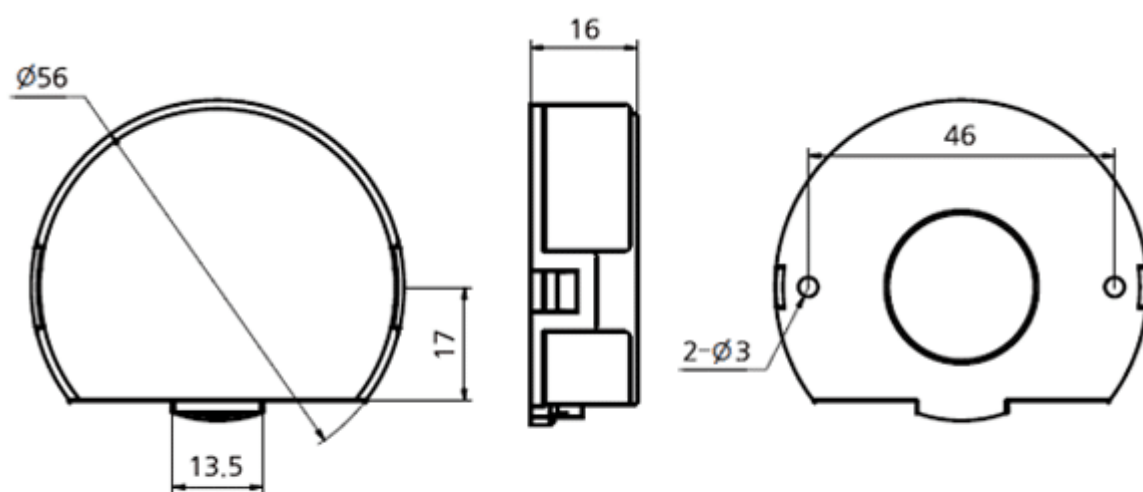
EK2 Encoder - Differential output



KPL28 Encoder

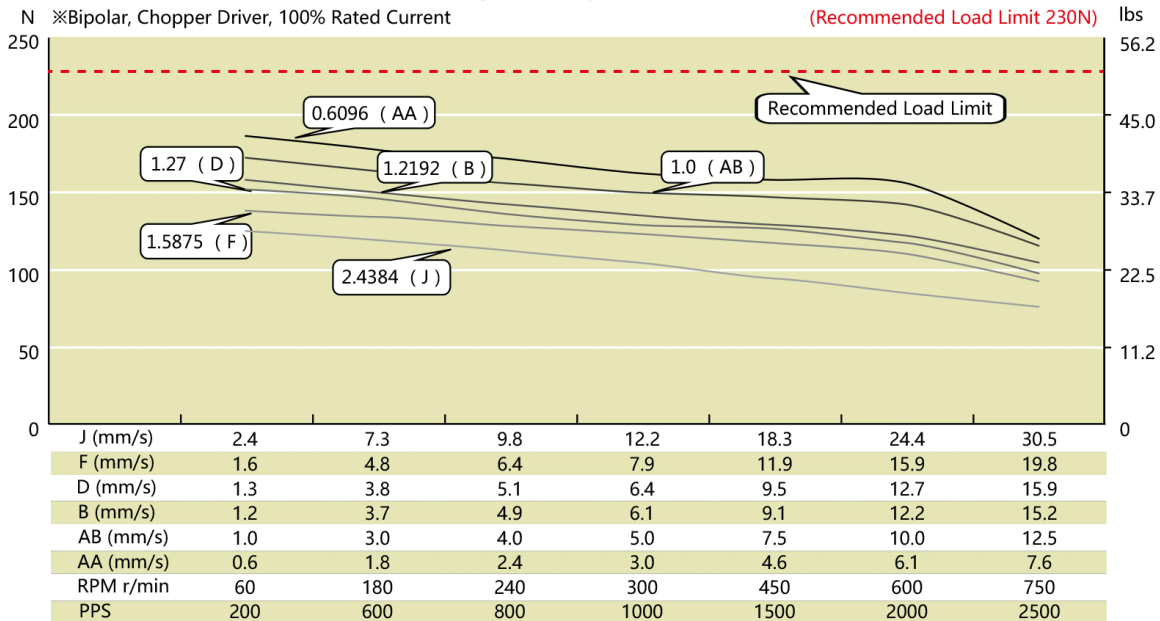


KPL40 Encoder

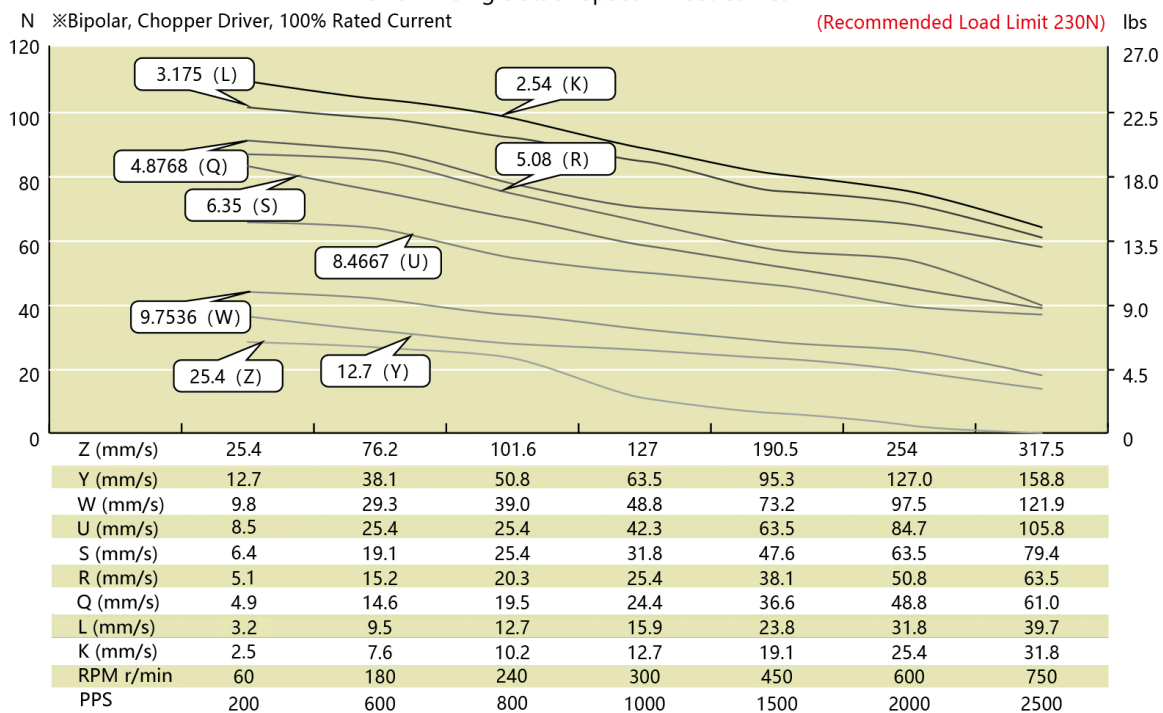


KPL56 Encoder

Size 14 Single Stack Speed Thrust Curves



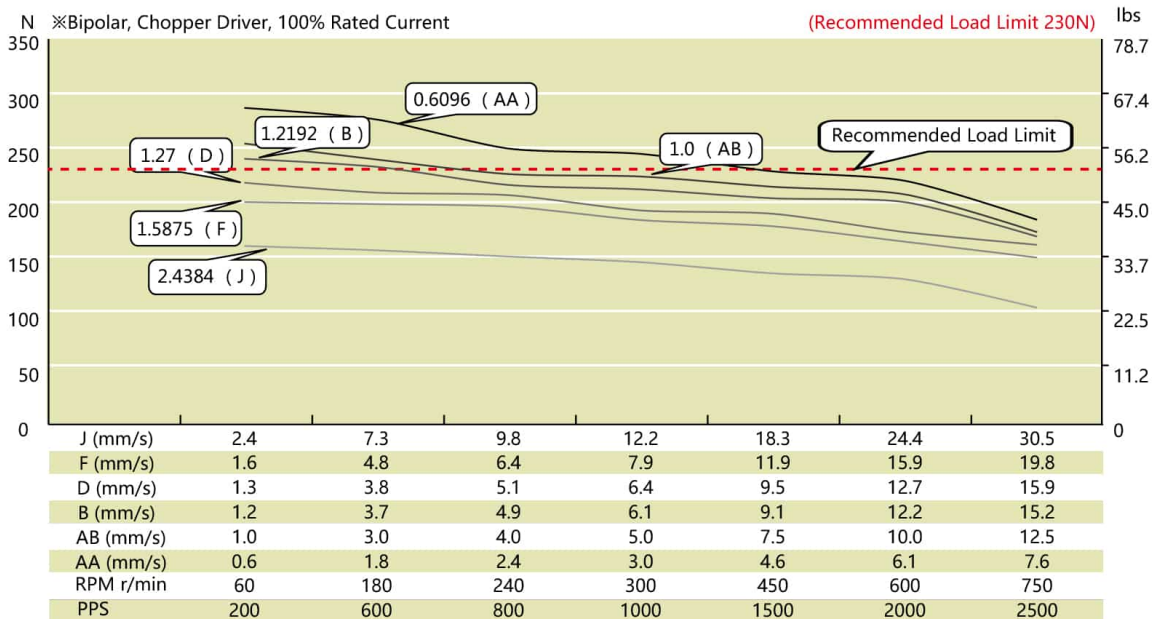
Size 14 Single Stack Speed Thrust Curves



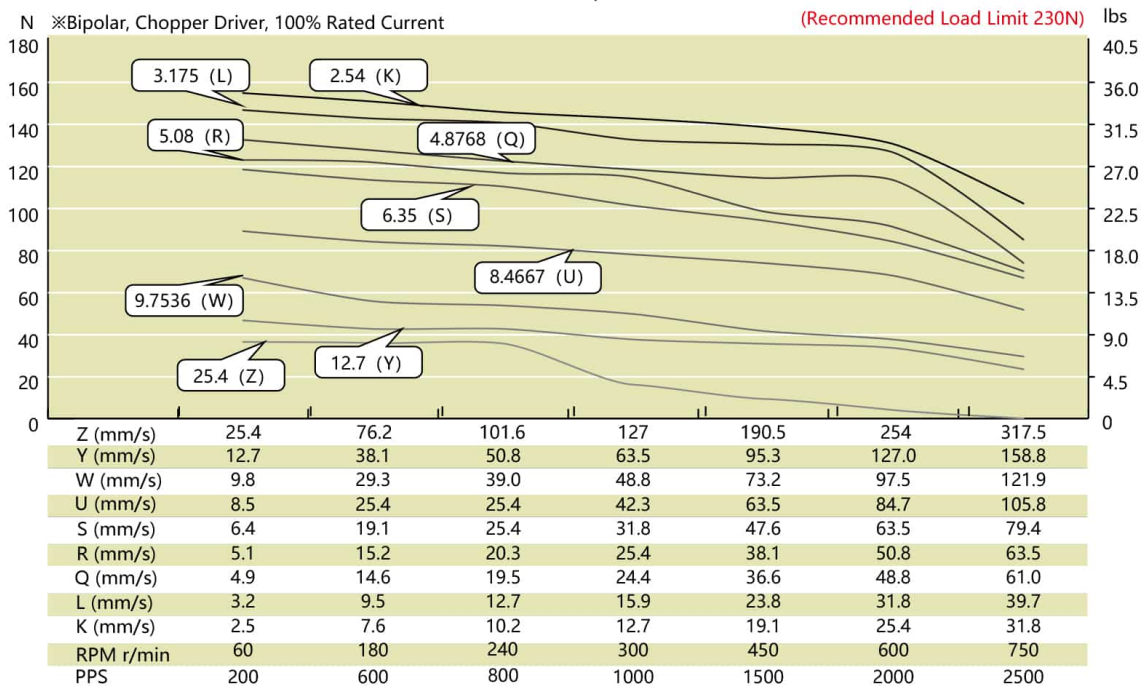
TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 14 Double Stack Speed Thrust Curves



Size 14 Double Stack Speed Thrust Curves

**TEST CONDITION**

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

14-2105

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/14-2105/>



Specification	
Voltage	6.6 V
Current	0.5 A
Resistance	13.2 Ω
Inductance	14 mH
Weight	189 g
Lead Wire No.	4
Motor Length	33.6 mm
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

14-2110

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/14-2110/>



Specification	
Voltage	3.5 V
Current	1 A
Resistance	3.5 Ω
Inductance	3.6 mH
Weight	189 g
Lead Wire No.	4
Motor Length	33.6 mm
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

14-2115

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/14-2115/>



Specification	
Voltage	2.7 V
Current	1.5 A
Resistance	1.8 Ω
Inductance	1.9 mH
Weight	189 g
Lead Wire No.	4
Motor Length	33.6 mm
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

14-2205

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/14-2205/>



Specification	
Voltage	12 V
Current	0.5 A
Resistance	24 Ω
Inductance	29 mH
Weight	210 g
Lead Wire No.	4
Motor Length	45.6 mm
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

14-2210

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/14-2210/>



Specification	
Voltage	6 V
Current	1 A
Resistance	6 Ω
Inductance	7.2 mH
Weight	210 g
Lead Wire No.	4
Motor Length	45.6 mm
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

14-2215

Size 14 [35mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 230N of continuous thrust. Size 14 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/14-2215/>

Specification	
Voltage	4 V
Current	1.5 A
Resistance	2.7 Ω
Inductance	3.2 mH
Weight	210 g
Lead Wire No.	4
Motor Length	45.6 mm
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

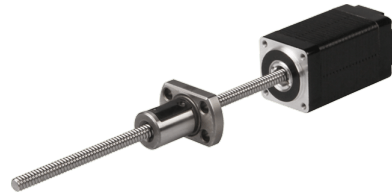
- Teflon Coating

SBSLA - Size 8 [20mm]

The Size 8 [20mm] External Stepper Ball Screw Linear Actuator. Various screw end machining and encoder options are available.



<https://www.kocomotion.de/produkt/sbsla-size-8-20mm/>



Produkte:

Seite

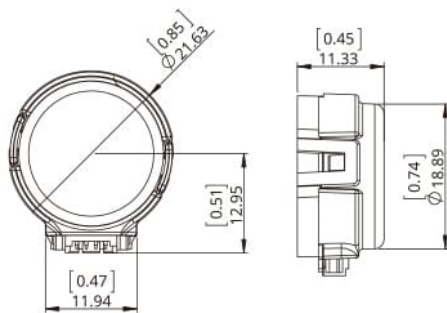
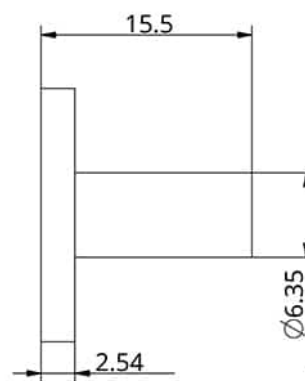
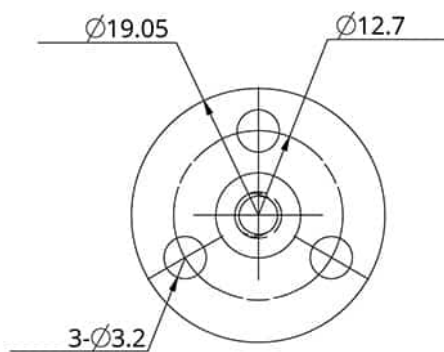
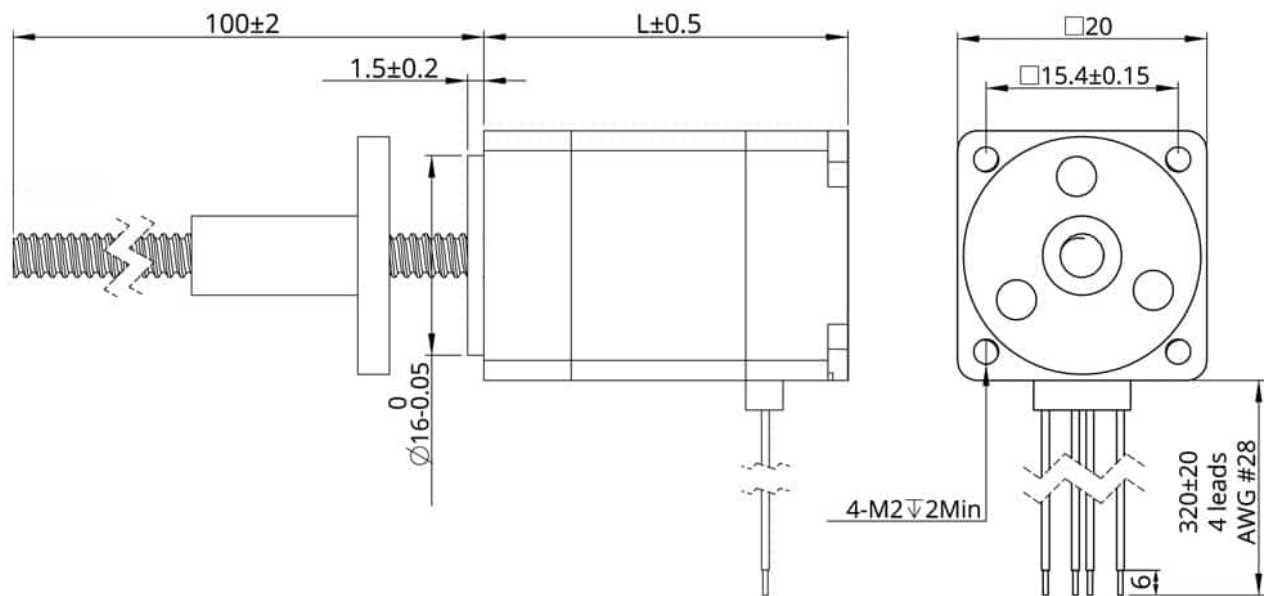
8E2105

68

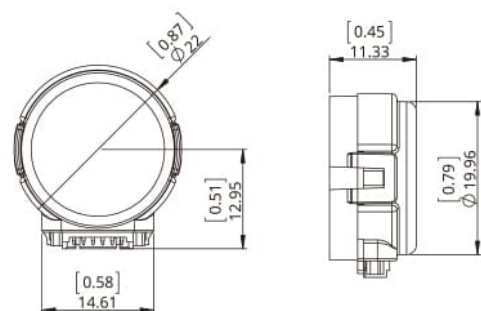
8E2205

69

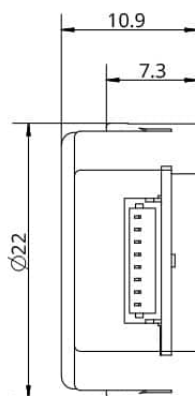
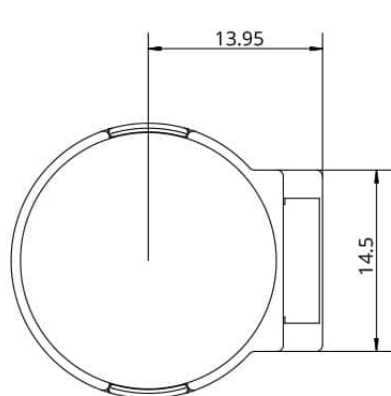
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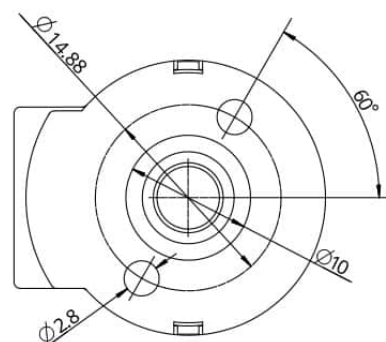
EK1 Encoder - Single ended output



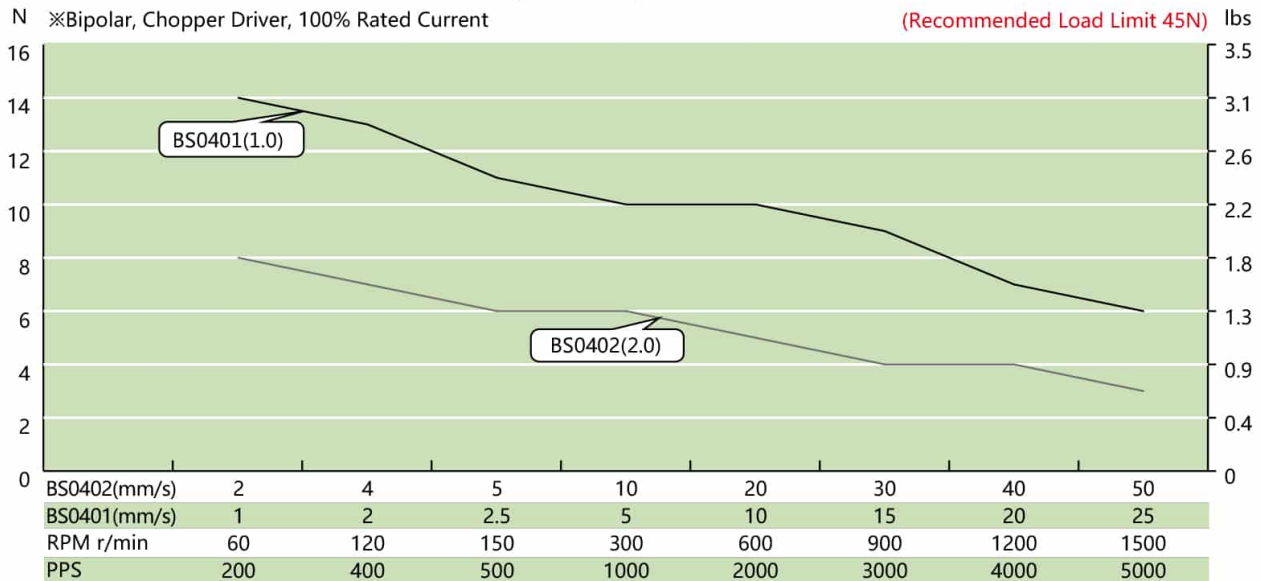
EK1 Encoder - Differential output



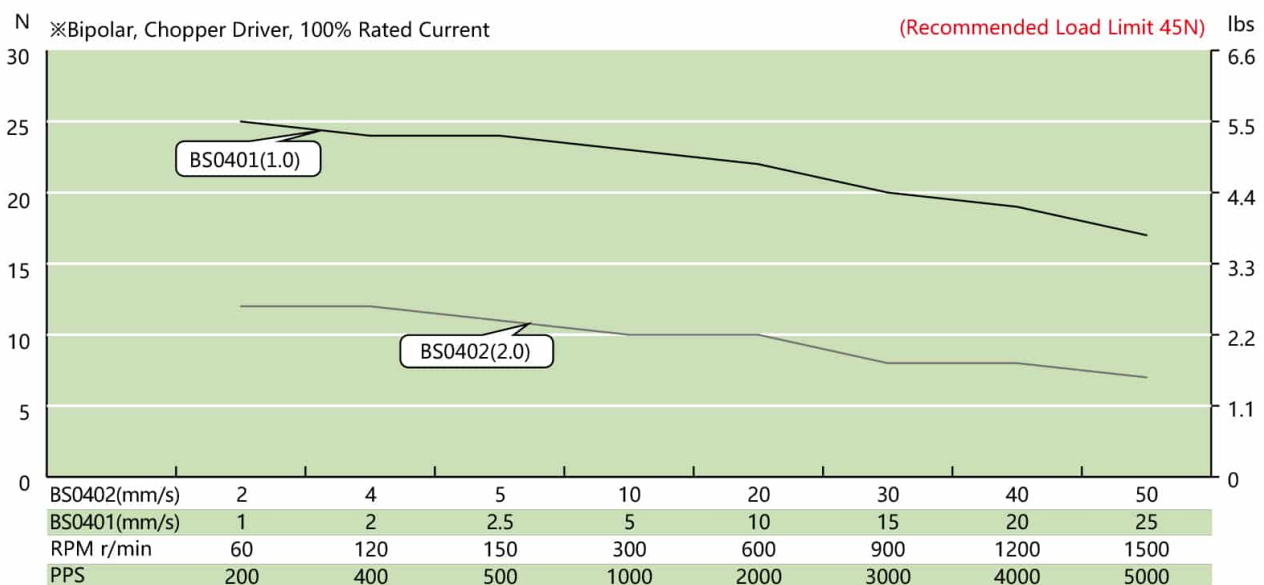
EK5 Encoder



Size 8 Single Stack Speed Thrust Curves



Size 8 Double Stack Speed Thrust Curves



TEST CONDITION

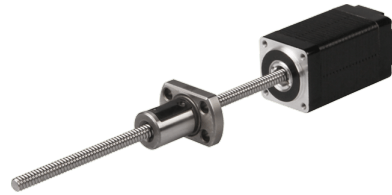
Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

8E2105

The Size 8 [20mm] External Stepper Ball Screw Linear Actuator. Various screw end machining and encoder options are available.



<https://www.kocomotion.de/produkt/8e2105/>



Specification	
Voltage	2.5 V
Current	0.5 A
Resistance	5.1 Ω
Inductance	1.5 mH
Motor Length	27.2 mm
Lead Wire No.	4
Size	8 Nema
Flange size	20 mm

Optionen

Encoder

- EK1
- EK5

Screw End Machining

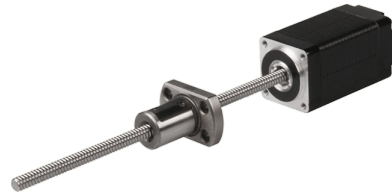
- Threaded End
- Smooth End
- None
- Customize

8E2205

The Size 8 [20mm] External Stepper Ball Screw Linear Actuator. Various screw end machining and encoder options are available.



<https://www.kocomotion.de/produkt/8e2205/>



Specification	
Voltage	4.4 V
Current	0.5 A
Resistance	8.8 Ω
Inductance	2.7 mH
Motor Length	38.1 mm
Lead Wire No.	4
Size	8 Nema
Flange size	20 mm

Optionen

Encoder

- EK1
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

SBSLA - Size 11 [28mm]

The size 11 [28mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/sbsla-size-11-28mm/>



Produkte:

Seite

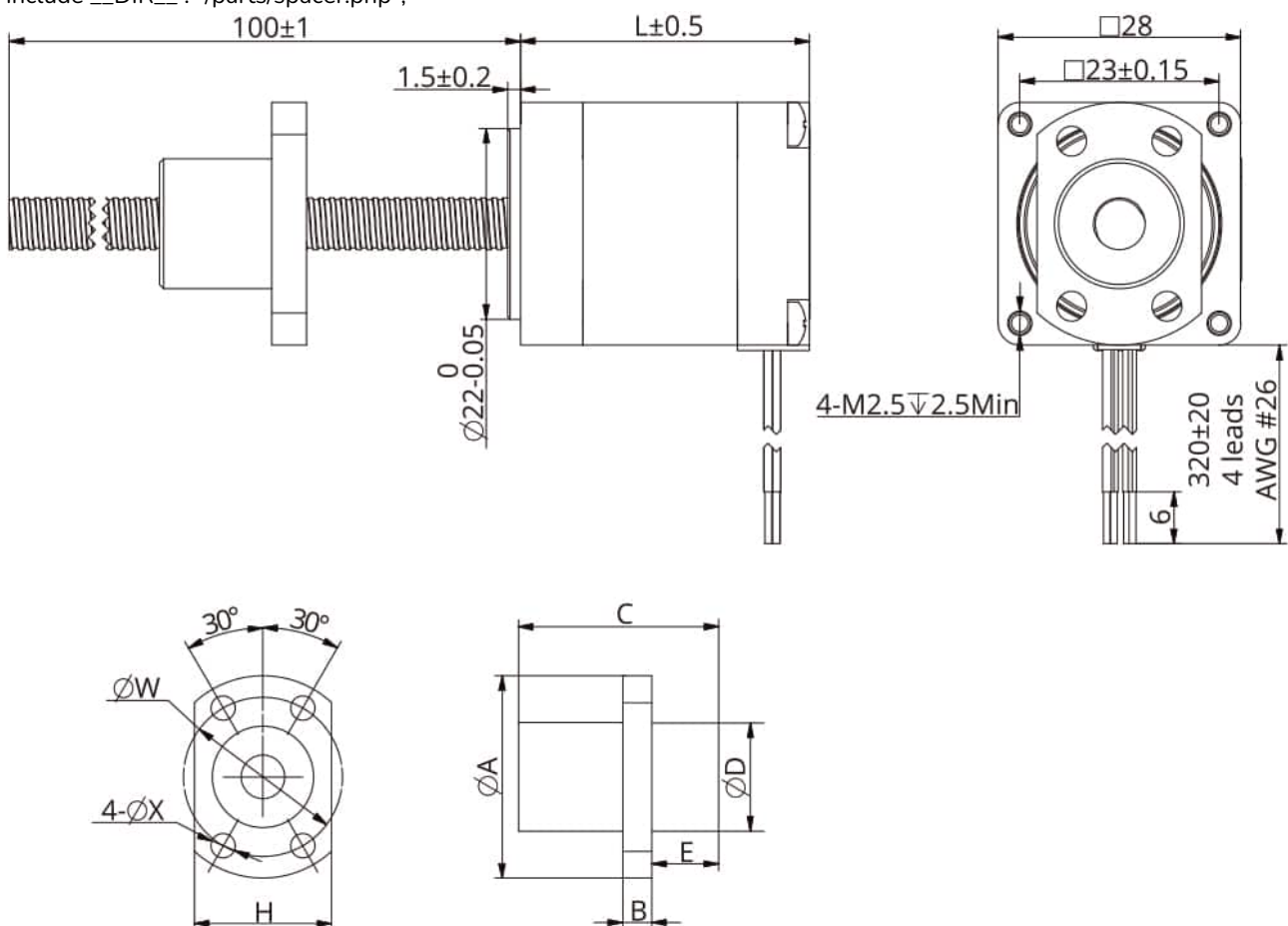
11E2110

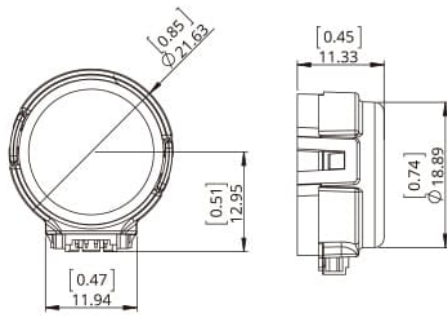
73

11E2209

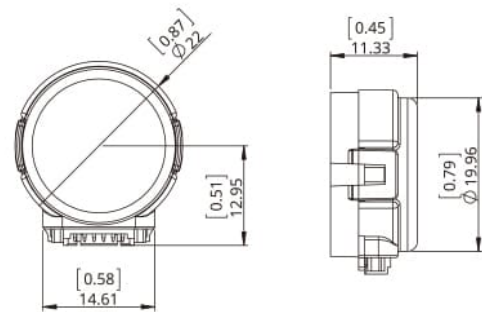
74

include __DIR__ . "/parts/spacer.php";

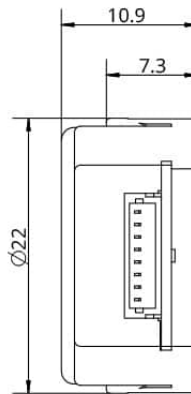
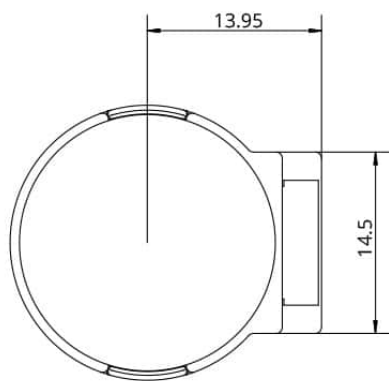




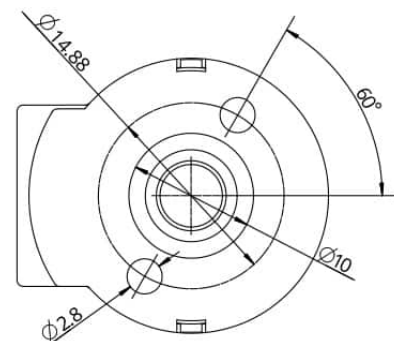
EK1 Encoder - Single ended output



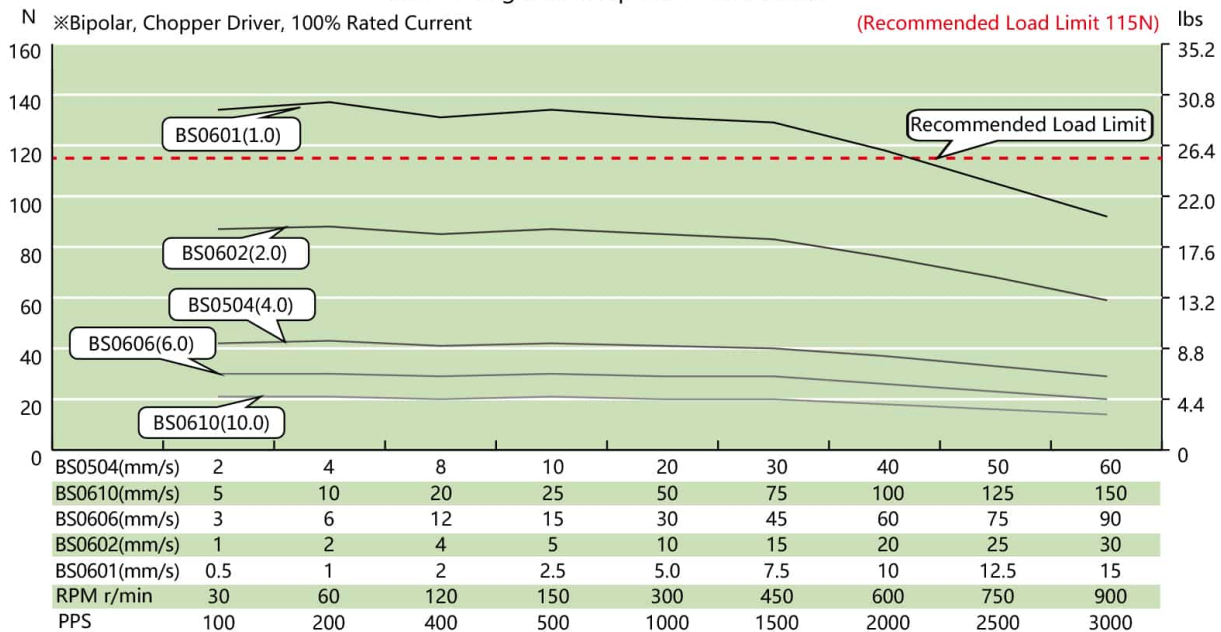
EK1 Encoder - Differential output



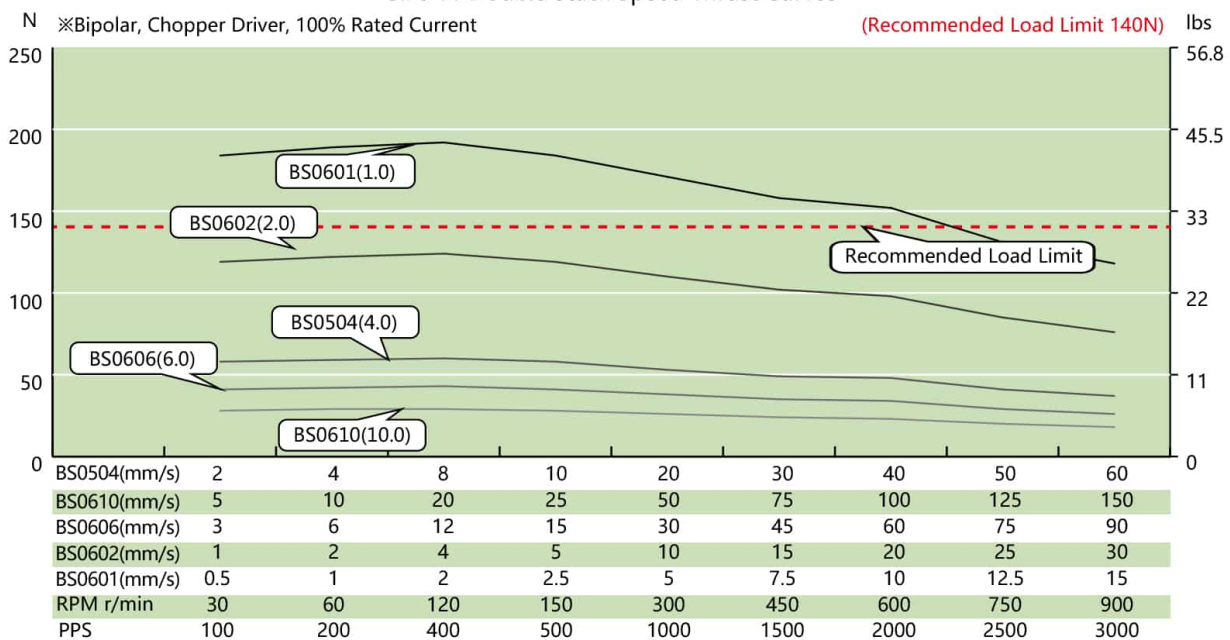
EK5 Encoder



Size 11 Single Stack Speed Thrust Curves



Size 11 Double Stack Speed Thrust Curves



TEST CONDITION

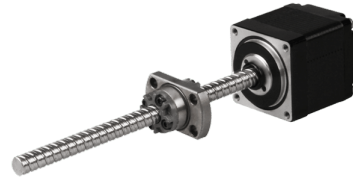
Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

11E2110

The size 11 [28mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/11e2110/>



Specification	
Voltage	2.1 V
Current	1 A
Resistance	2.1 Ω
Inductance	1.5 mH
Motor Length	33.35 mm
Lead Wire No.	4
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

11E2209

The size 11 [28mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/11e2209/>



Specification	
Voltage	3.9 V
Current	0.95 A
Resistance	4.1 Ω
Inductance	4 mH
Lead Wire No.	4
Motor Length	45 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

SBSLA - Size 14 [35mm]

The size 14 [35mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.

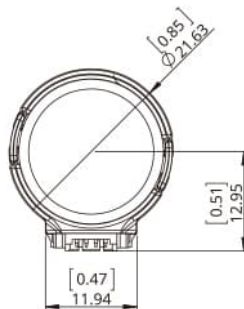
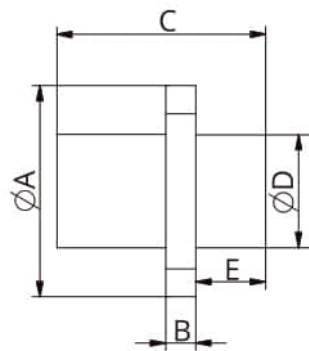
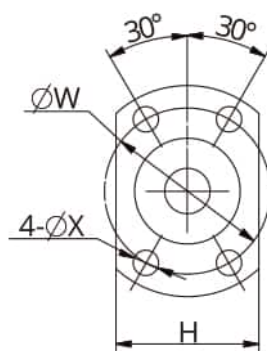
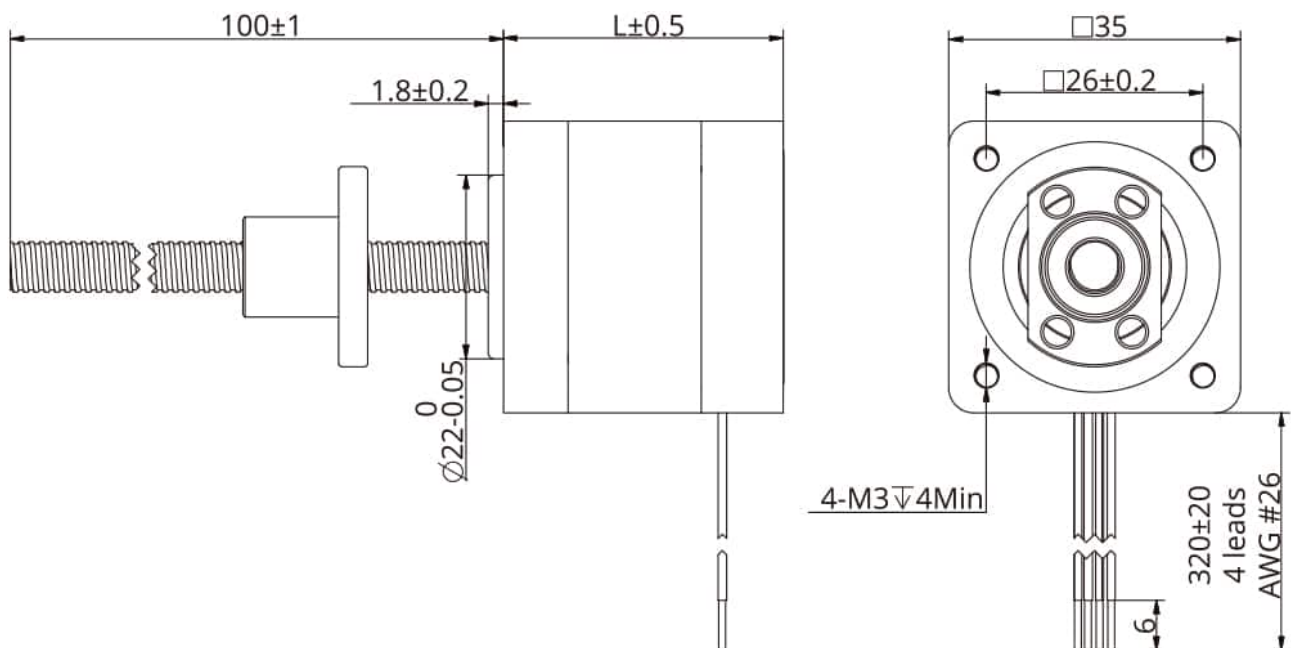


<https://www.kocomotion.de/produkt/sbsla-size-14-35mm/>

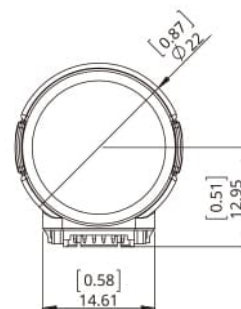


Produkte:	Seite
14E2110	79
14E2115	80
14E2210	81
14E2215	82

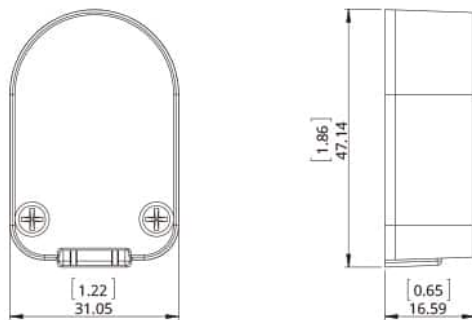
include __DIR__ . "/parts/spacer.php";



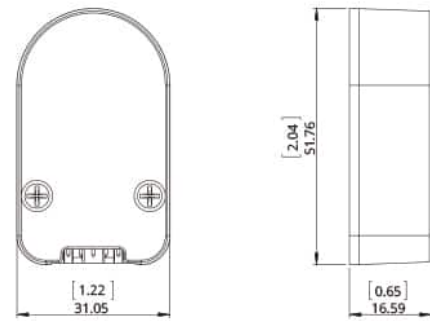
EK1 Encoder - Single ended output



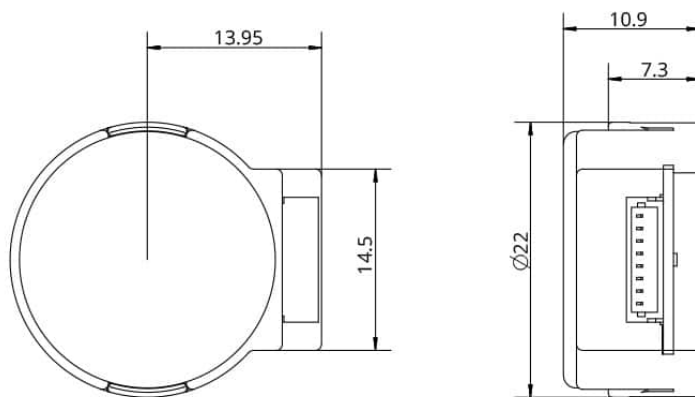
EK1 Encoder - Differential output



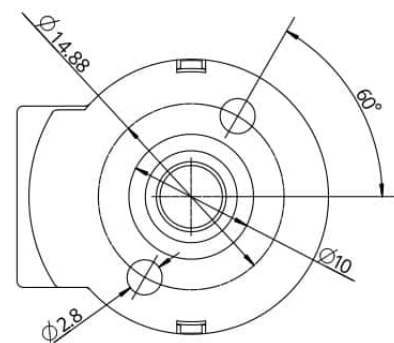
EK2 Encoder - Single ended output



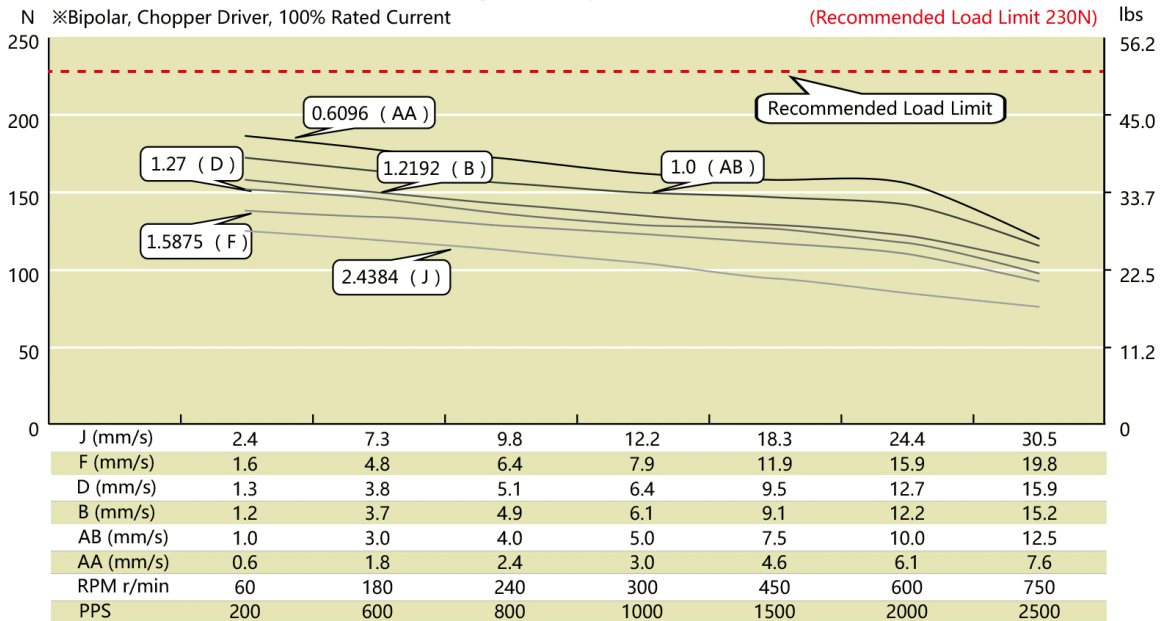
EK2 Encoder - Differential output



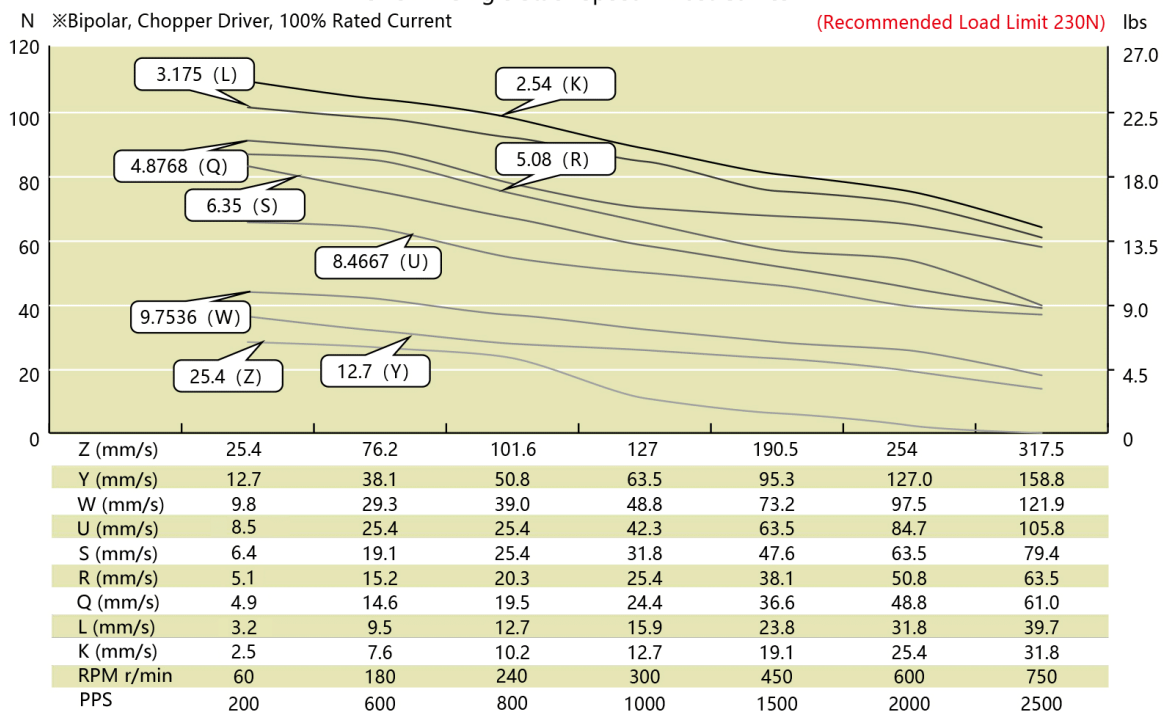
EK5 Encoder



Size 14 Single Stack Speed Thrust Curves



Size 14 Single Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

14E2110

The size 14 [35mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/14e2110/>



Specification	
Voltage	3.5 V
Current	1.0 A
Resistance	3.5 Ω
Inductance	3.6 mH
Motor Length	33.6 mm
Lead Wire No.	4
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

14E2115

The size 14 [35mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/14e2115/>



Specification	
Voltage	2.7 V
Current	1.5 A
Resistance	1.8 Ω
Inductance	1.9 mH
Motor Length	33.6 mm
Lead Wire No.	4
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

14E2210

The size 14 [35mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/14e2210/>



Specification	
Voltage	6.0 V
Current	1.0 A
Resistance	6.0 Ω
Inductance	7.2 mH
Motor Length	45.6 mm
Lead Wire No.	4
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

14E2215

The size 14 [35mm] External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/14e2215/>



Specification	
Voltage	4.0 V
Current	1.5 A
Resistance	2.7 Ω
Inductance	3.2 mH
Motor Length	45.6 mm
Lead Wire No.	4
Size	14 Nema
Flange size	35 mm

Optionen

Encoder

- EK1
- EK2
- EK5

Screw End Machining

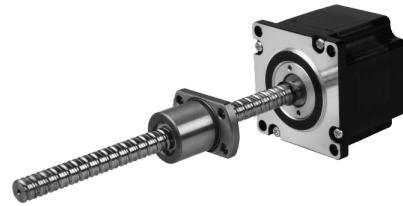
- Threaded End
- Smooth End
- None
- Customize

SBSLA - Size 23 [57mm]

The size 23 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.

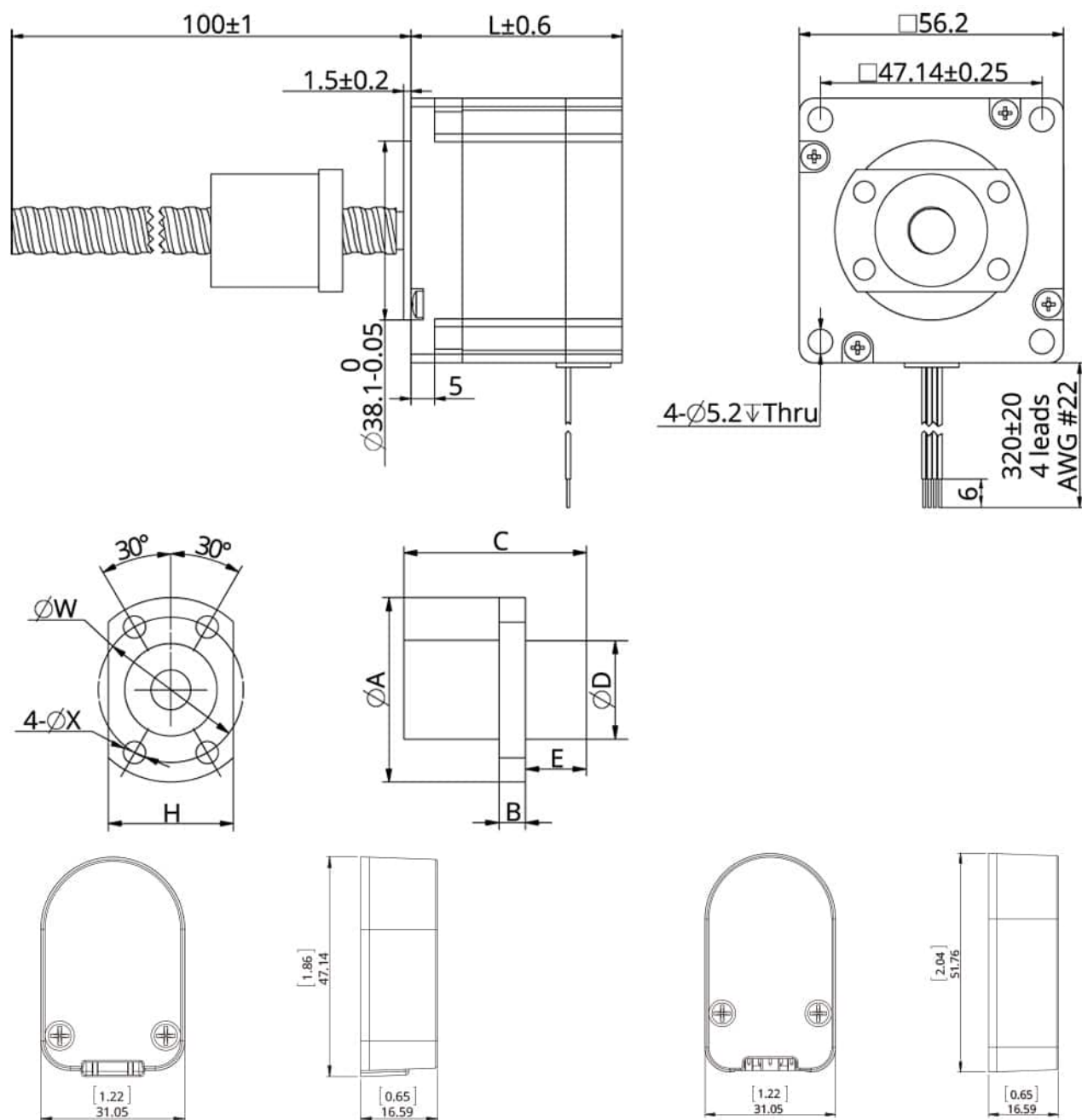


<https://www.kocomotion.de/produkt/sbsla-size-23-57mm/>



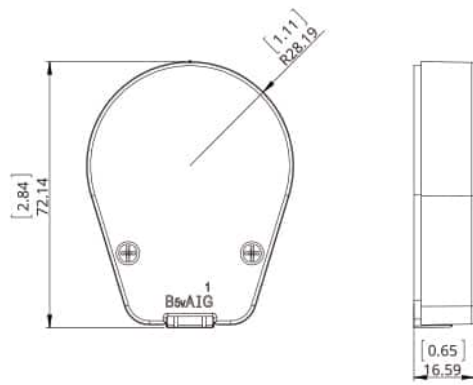
Produkte:	Seite
23E2120	87
23E2130	88
23E2225	89
23E2240	90

include __DIR__ . "/parts/spacer.php";

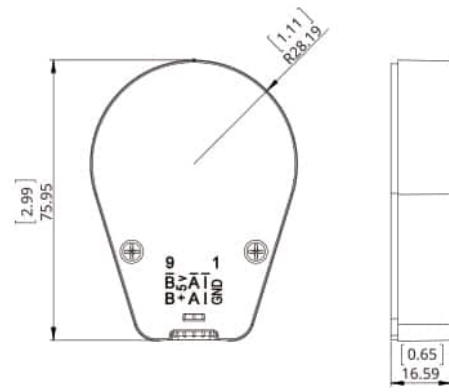


EK2 Encoder - Single ended output

EK2 Encoder - Differential output

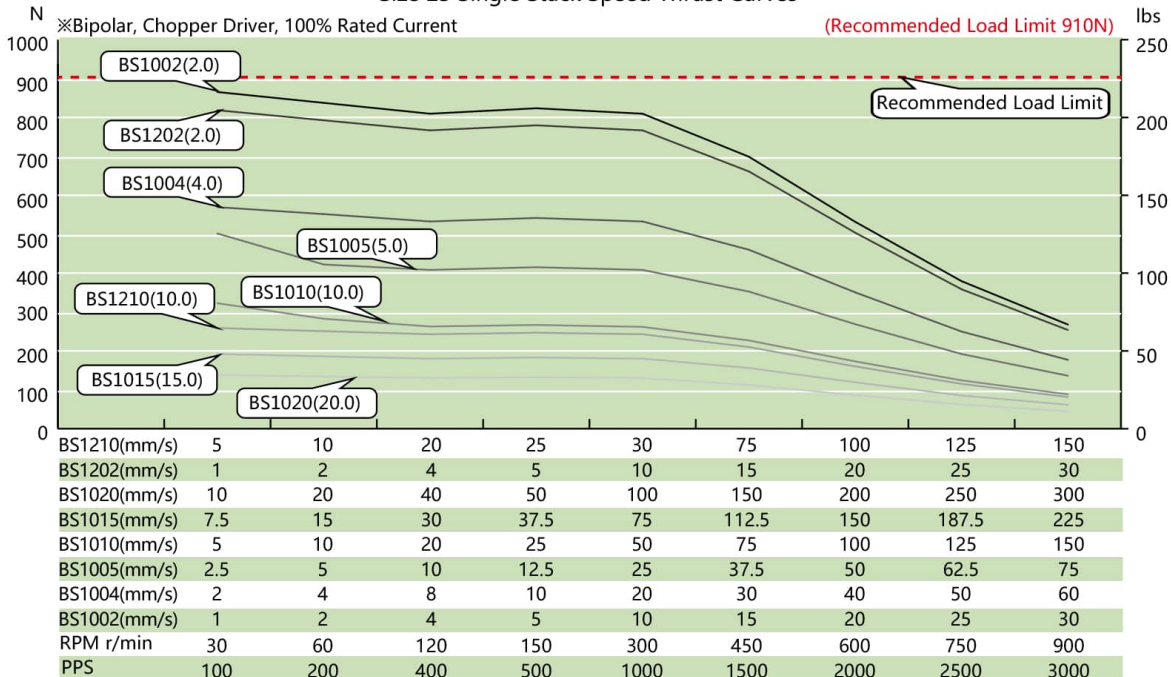


EK3 Encoder - Single ended output

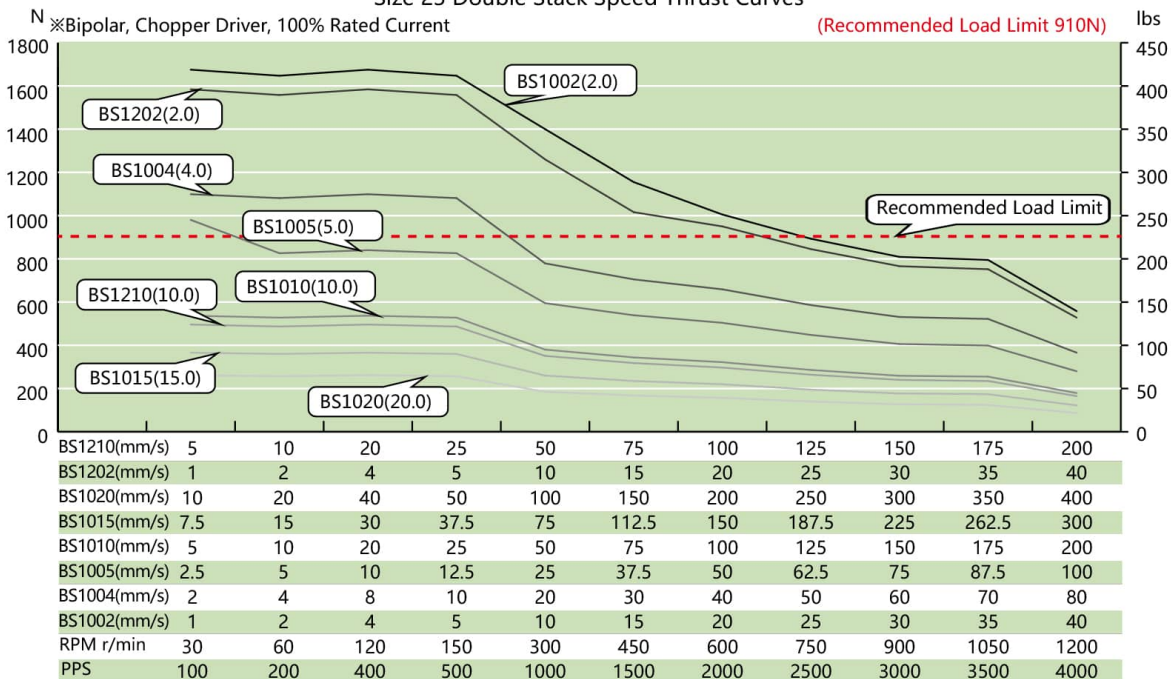


EK3 Encoder - Differential output

Size 23 Single Stack Speed Thrust Curves



Size 23 Double Stack Speed Thrust Curves



TEST CONDITION

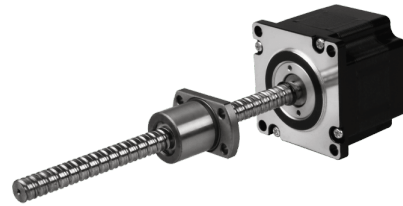
Testing Voltage: 40Vdc, Driver Model: DS-OLS4-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

23E2120

The size 23 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/23e2120/>



Specification	
Voltage	3.5 V
Current	2.0 A
Resistance	1.75 Ω
Inductance	4.1 mH
Motor Length	45 mm
Lead Wire No.	4
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3

Screw End Machining

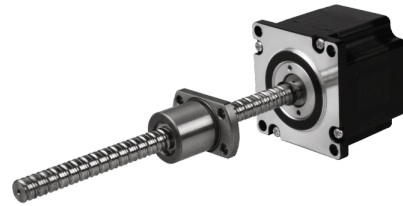
- Threaded End
- Smooth End
- None
- Customize

23E2130

The size 23 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/23e2130/>



Specification	
Voltage	2.4 V
Current	3.0 A
Resistance	0.8 Ω
Inductance	1.7 mH
Motor Length	45 mm
Lead Wire No.	4
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3

Screw End Machining

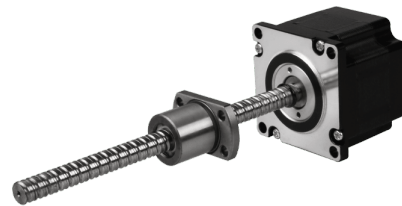
- Threaded End
- Smooth End
- None
- Customize

23E2225

The size 23 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/23e2225/>



Specification	
Voltage	5.0 V
Current	2.5 A
Resistance	2.0 Ω
Inductance	5.2 mH
Motor Length	65 mm
Lead Wire No.	4
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3

Screw End Machining

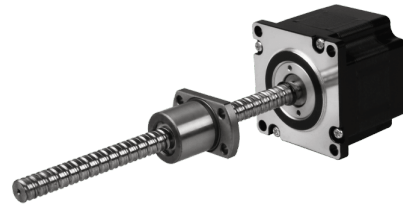
- Threaded End
- Smooth End
- None
- Customize

23E2240

The size 23 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/23e2240/>



Specification	
Voltage	2.8 V
Current	4.0 A
Resistance	0.7 Ω
Inductance	2.0 mH
Motor Length	65 mm
Lead Wire No.	4
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

SBSLA - Size 11

[28mm] DLG/DLS



DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 28 [NEMA 11] size of DLG series is a smallest DLG product with 30mm stroke. If customer wants, non-guide type of DRS series can be also optional.



<https://www.kocomotion.de/produkt/sbsla-size-11-28mm-dlg-dls/>

Produkte:

Seite

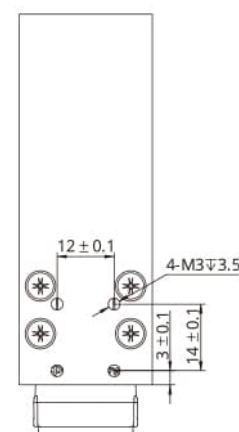
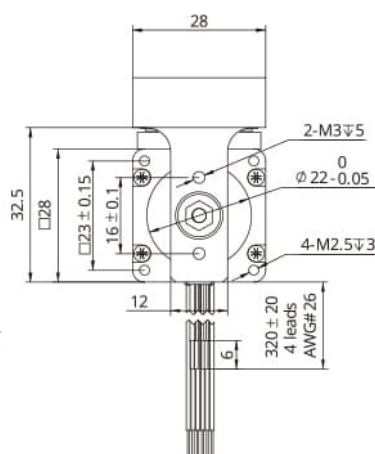
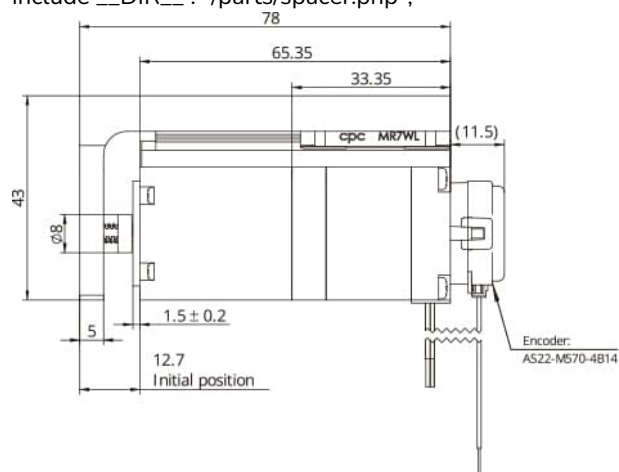
DLG28S1

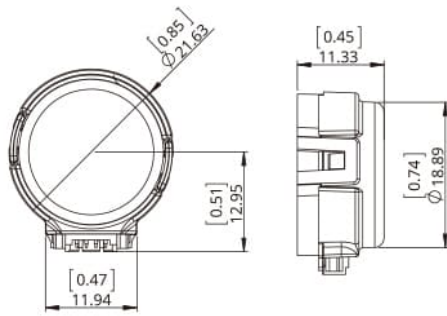
95

DLG28D1

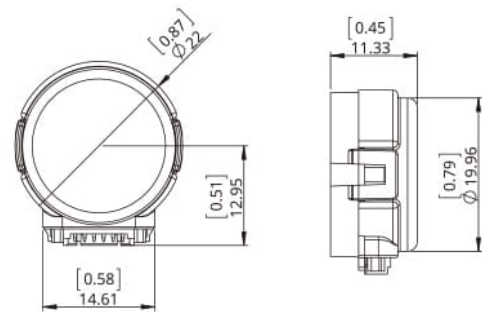
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include __DIR__ . "/parts/spacer.php";

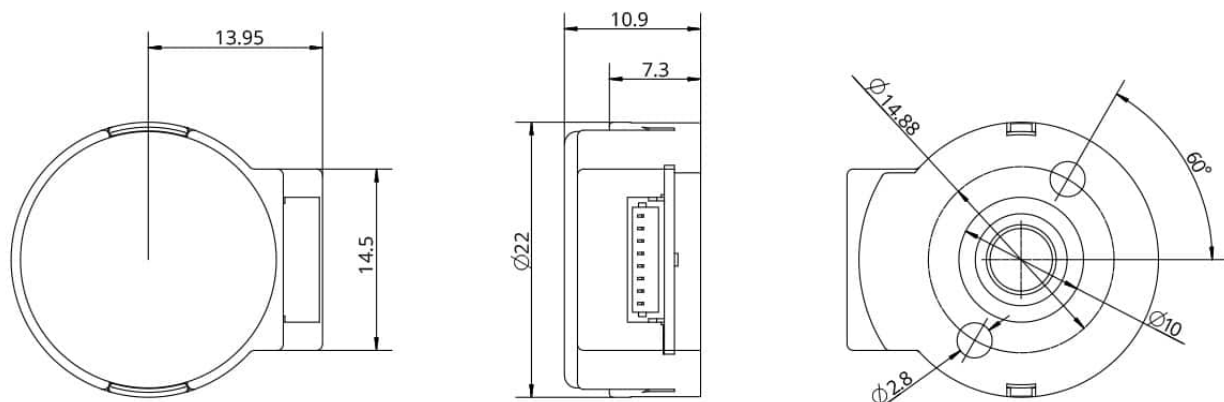




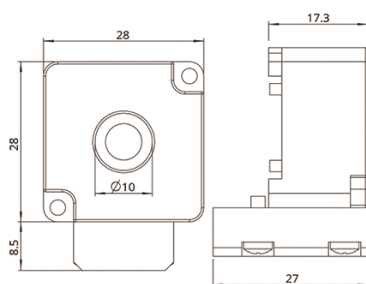
EK1 Encoder - Single ended output



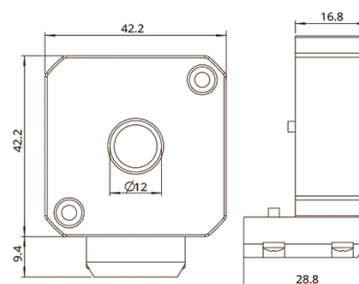
EK1 Encoder - Differential output



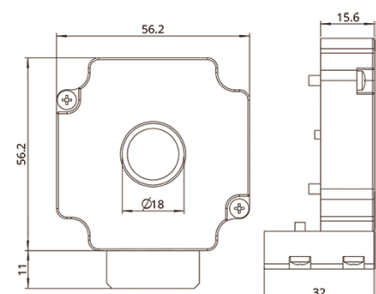
EK5 Encoder



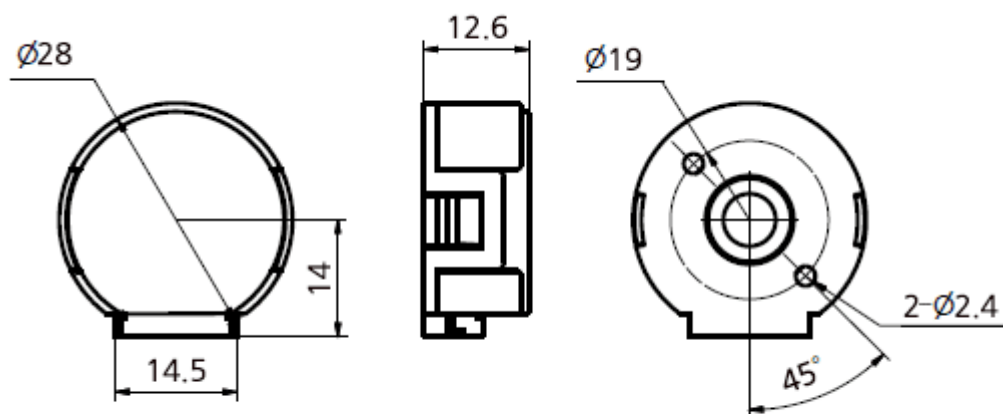
EK4 Encoder 11



EK4 Encoder 17

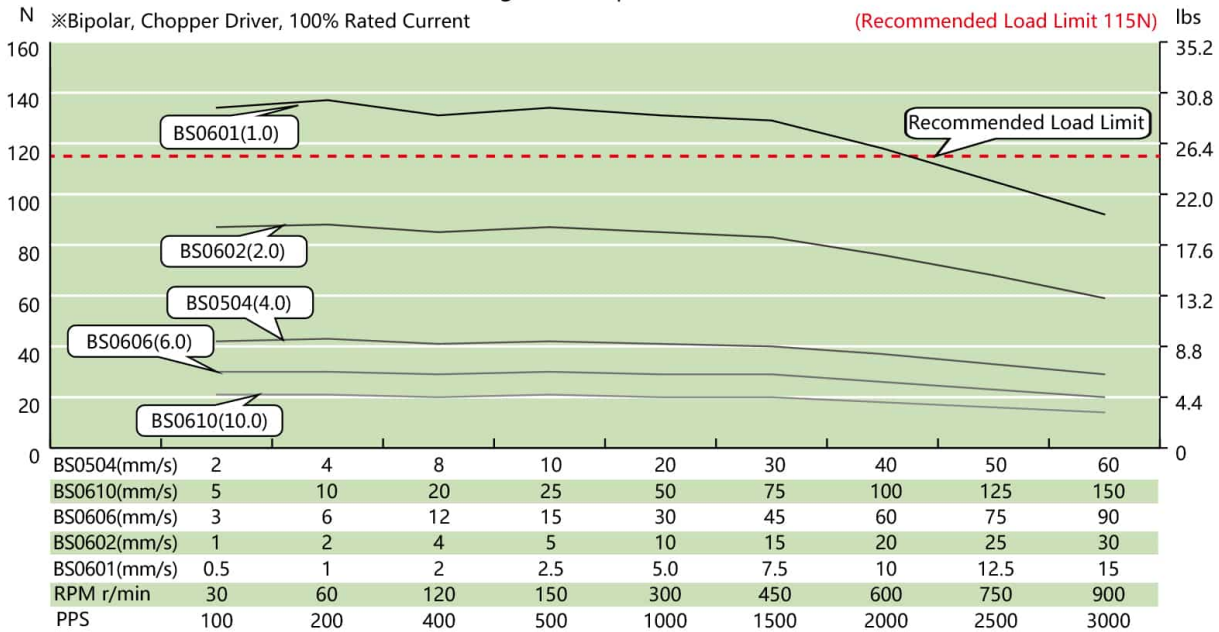


EK4 Encoder 23

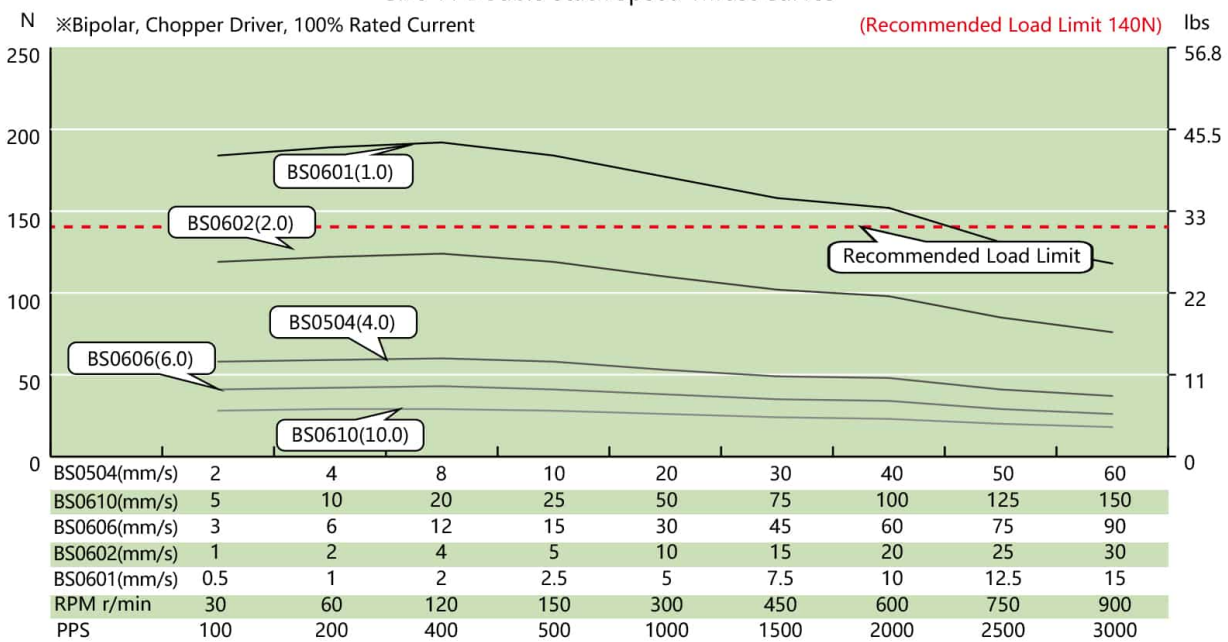


KPL28 Encoder

Size 11 Single Stack Speed Thrust Curves



Size 11 Double Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

DLG28S1

DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 28 [NEMA 11] size of DLG series is a smallest DLG product with 30mm stroke. If customer wants, non-guide type of DRS series can be also optional.



<https://www.kocomotion.de/produkt/dlg28s1/>

Specification	
Voltage	2.1 V
Current	1 A
Resistance	2.1 Ω
Inductance	1.5 mH
Lead Wire No.	4
Motor Length	33.5 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK4
- EK5
- KPL28

DLG28D1

DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 28 [NEMA 11] size of DLG series is a smallest DLG product with 30mm stroke. If customer wants, non-guide type of DRS series can be also optional.



<https://www.kocomotion.de/produkt/dlg28d1/>

Specification	
Voltage	3.9 V
Current	0.95 A
Resistance	4.1 Ω
Inductance	4 mH
Lead Wire No.	4
Motor Length	45 mm
Size	11 Nema
Flange size	28 mm

Optionen

Encoder

- EK1
- EK4
- EK5
- KPL28

SBSLA - Size 17 [42mm] DLG/DLS



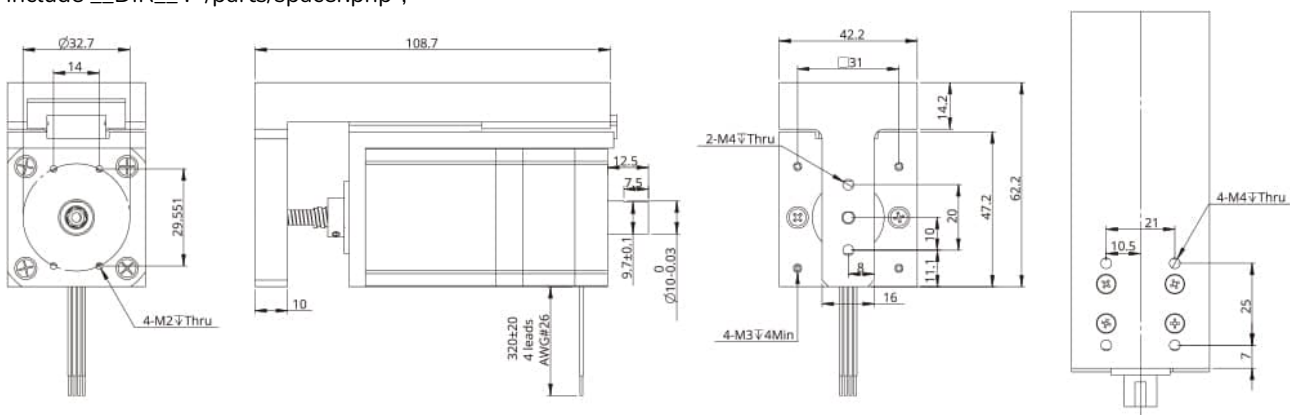
DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 42 [NEMA 17] size of DLG series has 40 & 70mm stroke. If customer wants, non-guide type of DRS series can be also optional.

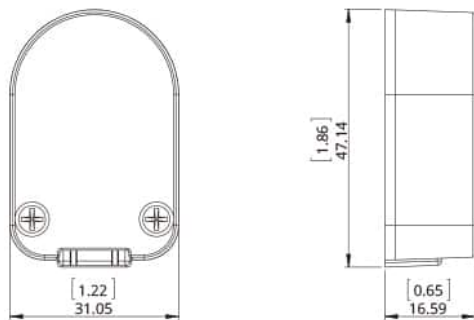


<https://www.kocomotion.de/produkt/sbsla-size-17-42mm-dlg-dls/>

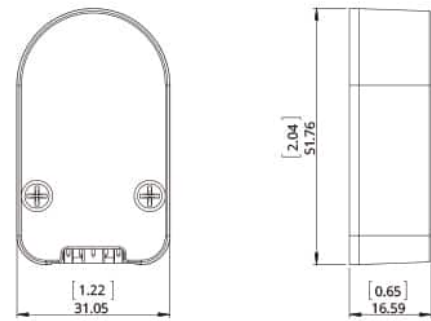
Produkte:	Seite
DLG42S1	100
DLG42S15	101
DLG42D12	102
DLG42D25	103

include __DIR__ . "/parts/spacer.php";

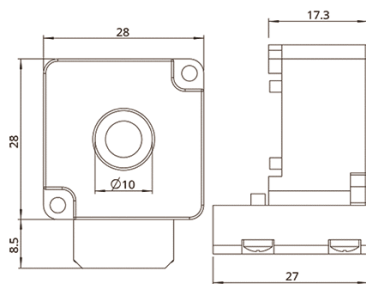




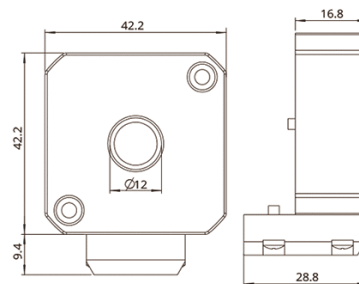
EK2 Encoder - Single ended output



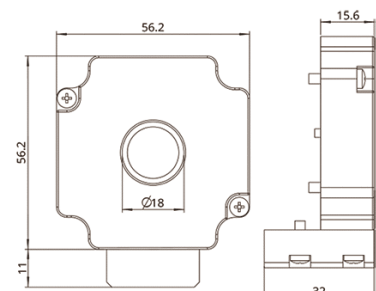
EK2 Encoder - Differential output



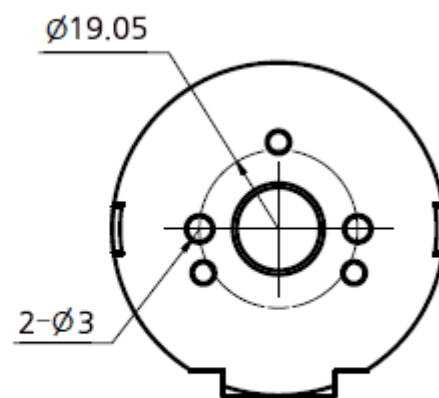
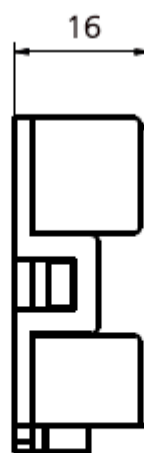
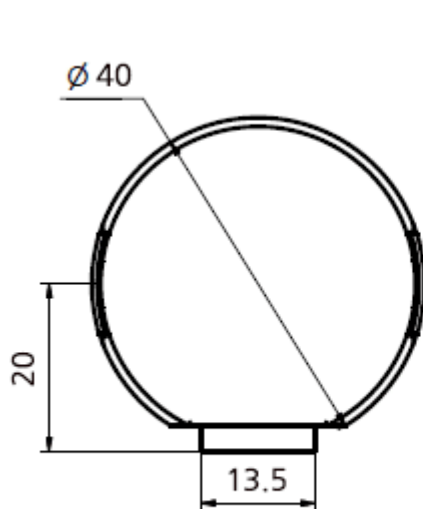
EK4 Encoder 11



EK4 Encoder 17

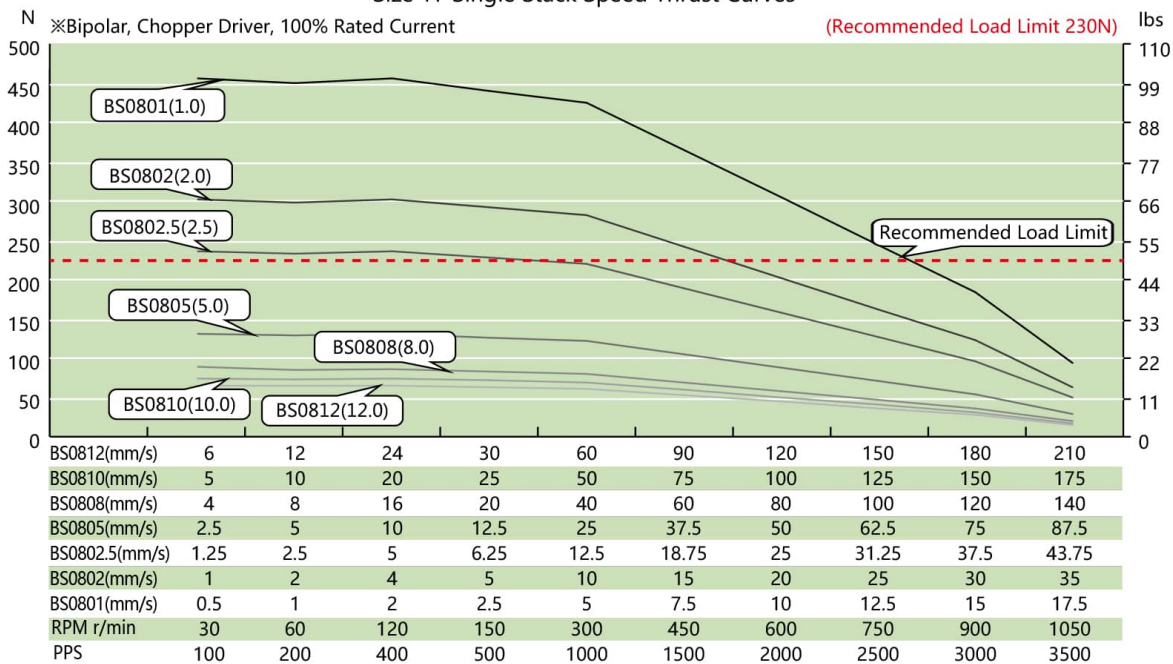


EK4 Encoder 23

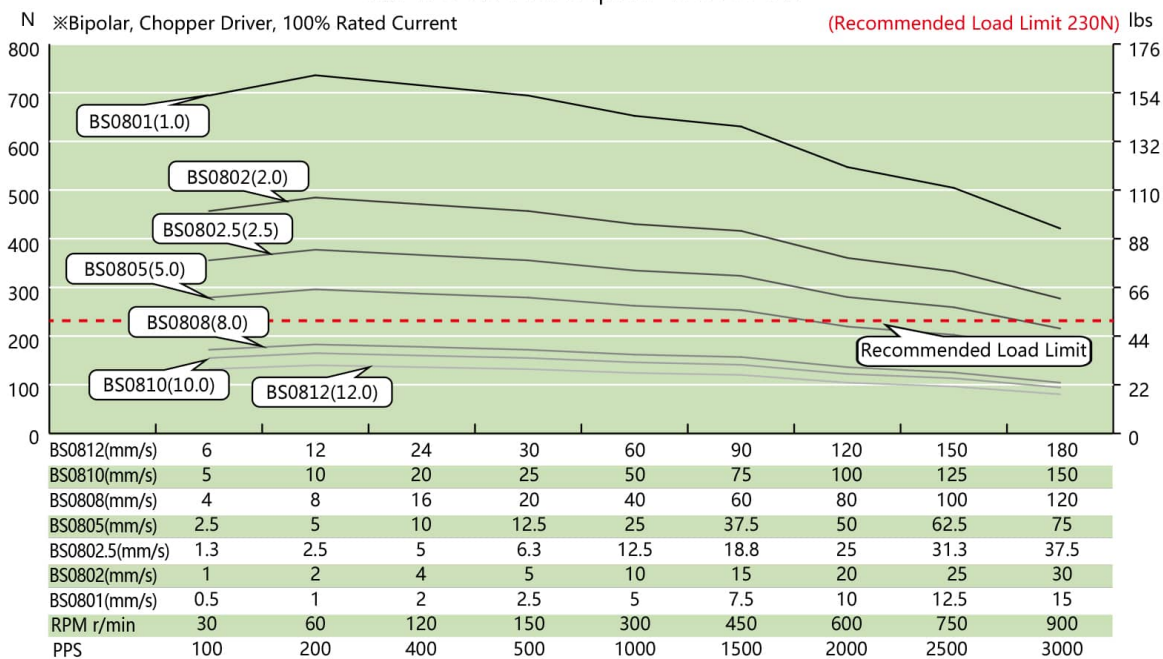


KPL40 Encoder

Size 17 Single Stack Speed Thrust Curves



Size 17 Double Stack Speed Thrust Curves

**TEST CONDITION**

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

DLG42S1

DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 42 [NEMA 17] size of DLG series has 40 & 70mm stroke. If customer wants, non-guide type of DRS series can be also optional.



<https://www.kocomotion.de/produkt/dlg42s1/>



Specification	
Voltage	3.8 V
Current	1 A
Resistance	3.8 Ω
Inductance	5 mH
Lead Wire No.	4
Motor Length	34.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK2
- EK4
- KPL40

DLG42S15

DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 42 [NEMA 17] size of DLG series has 40 & 70mm stroke. If customer wants, non-guide type of DRS series can be also optional.



<https://www.kocomotion.de/produkt/dlg42s15/>



Specification	
Voltage	2.78 V
Current	1.5 A
Resistance	1.85 Ω
Inductance	2.2 mH
Lead Wire No.	4
Motor Length	34.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK2
- EK4
- KPL40

DLG42D12

DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 42 [NEMA 17] size of DLG series has 40 & 70mm stroke. If customer wants, non-guide type of DRS series can be also optional.



<https://www.kocomotion.de/produkt/dlg42d12/>



Specification	
Voltage	4.56 V
Current	1.2 A
Resistance	3.8 Ω
Inductance	8 mH
Lead Wire No.	4
Motor Length	48.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK2
- EK4
- KPL40

DLG42D25

DLG Series is a product that integrates a stepping motor and a ball screw with a guide to achieve precise linear motion. With guide supported, DLG series enables reduction of mechanical components such as couplings or other parts. So it enables customer to design miniaturized and high-precision positioning of the device. Size 42 [NEMA 17] size of DLG series has 40 & 70mm stroke. If customer wants, non-guide type of DRS series can be also optional.

<https://www.kocomotion.de/produkt/dlg42d25/>

Specification	
Voltage	2.5 V
Current	2.5 A
Resistance	1 Ω
Inductance	1.8 mH
Lead Wire No.	4
Motor Length	48.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

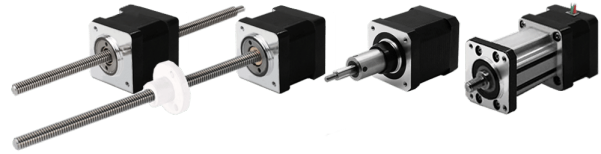
- EK2
- EK4
- KPL40

SLSLA - Size 17 [42mm]

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.

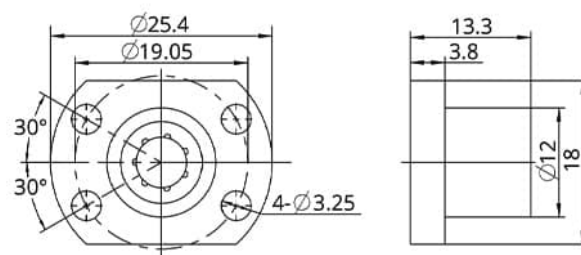
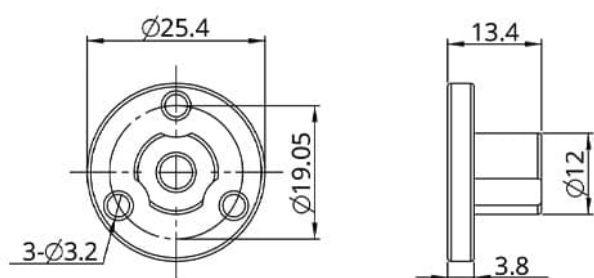
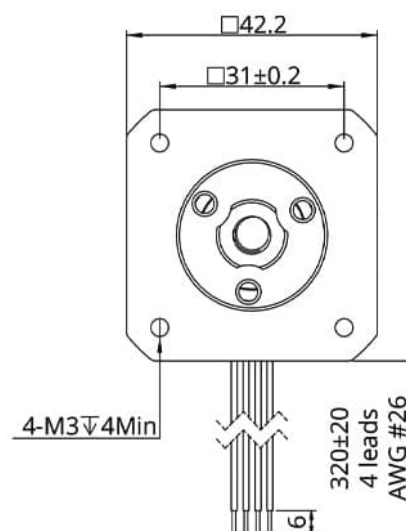
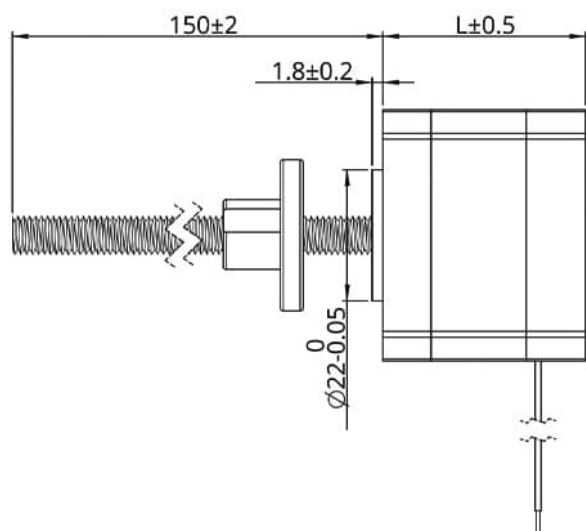


<https://www.kocomotion.de/produkt/slsla-size-17-42mm/>

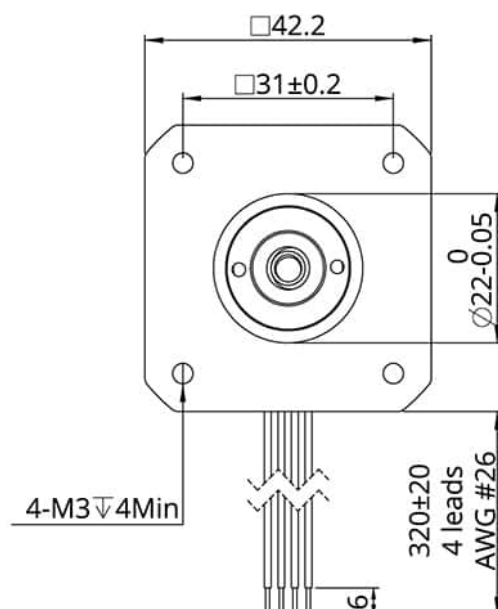
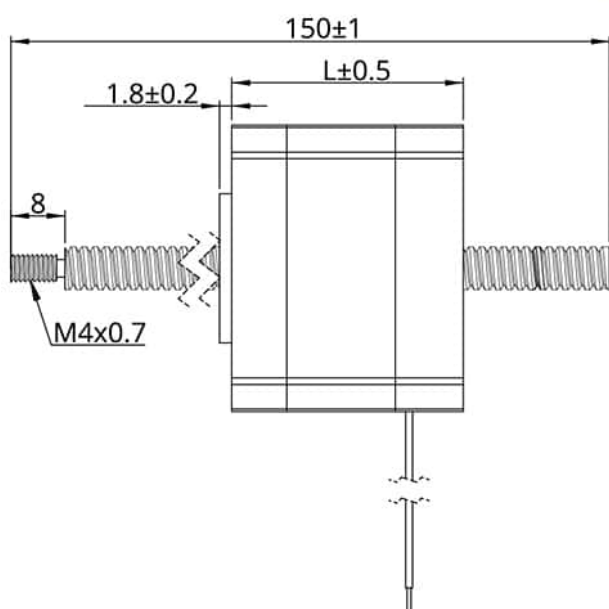


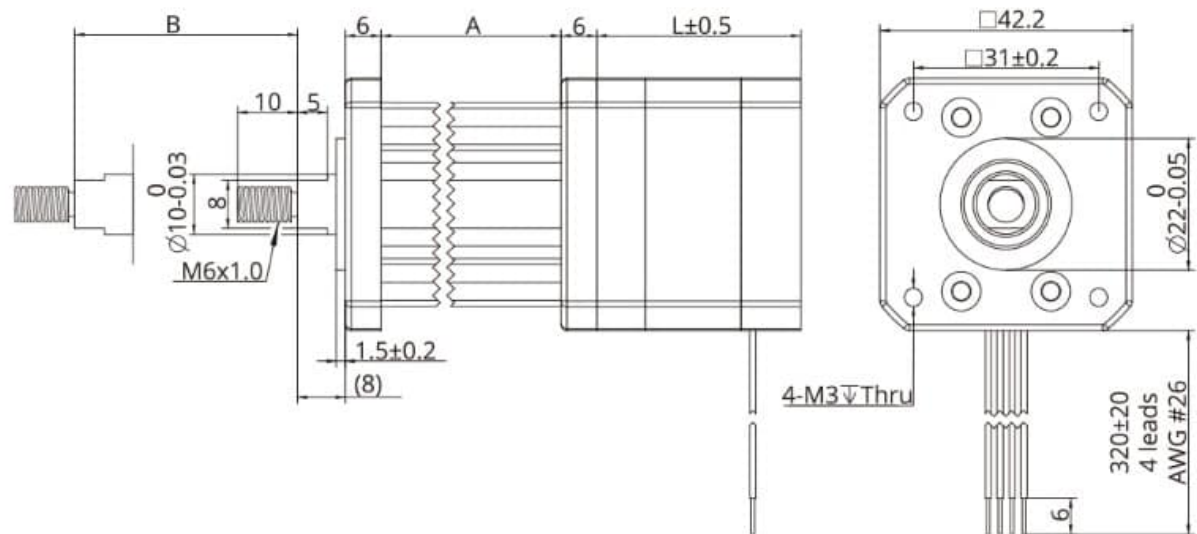
Produkte:	Seite
17-2105	114
17-2110	116
17-2115	118
17-2205	120
17-2212	122
17-2225	124

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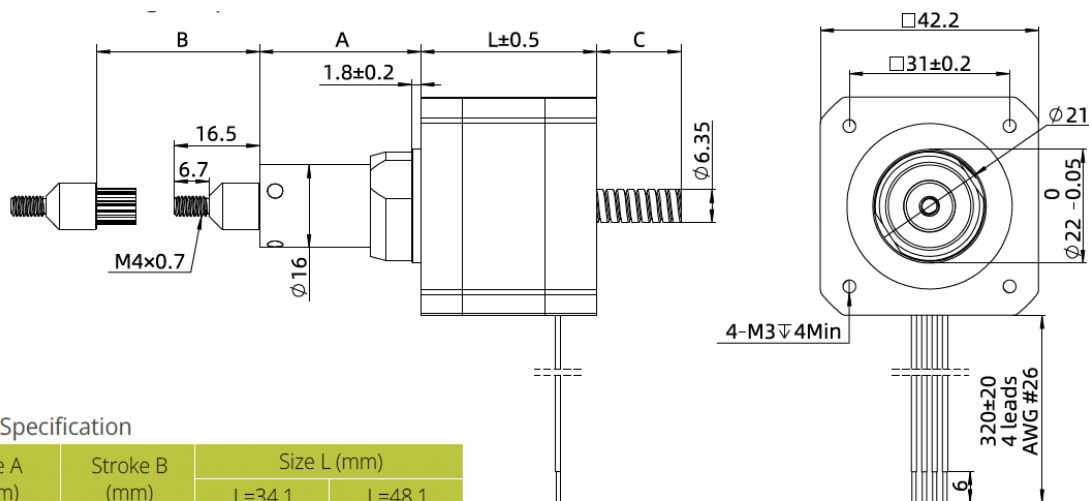
Nut Dimension





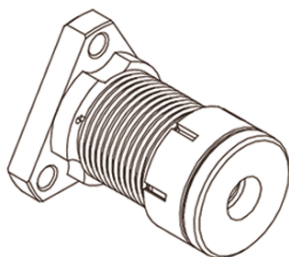
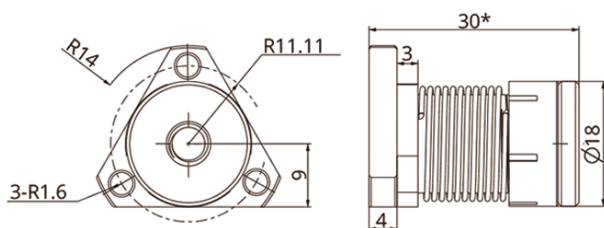
Stroke Specification

Size A (mm)	Stroke B (mm)	L (mm)	
35.70	12.70	Single Stack Motor 34.1	Double Stack Motor 48.1
42.05	19.05		
48.40	25.40		
54.80	31.80		
61.10	38.10		
73.80	50.80		
86.50	63.50		

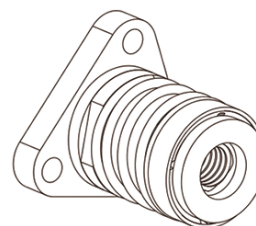
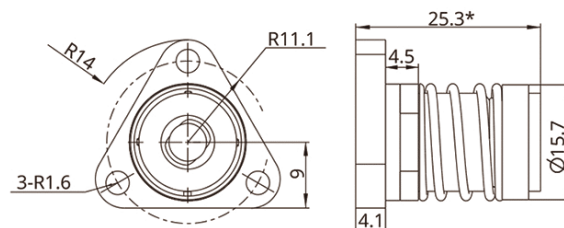


● Stroke Specification

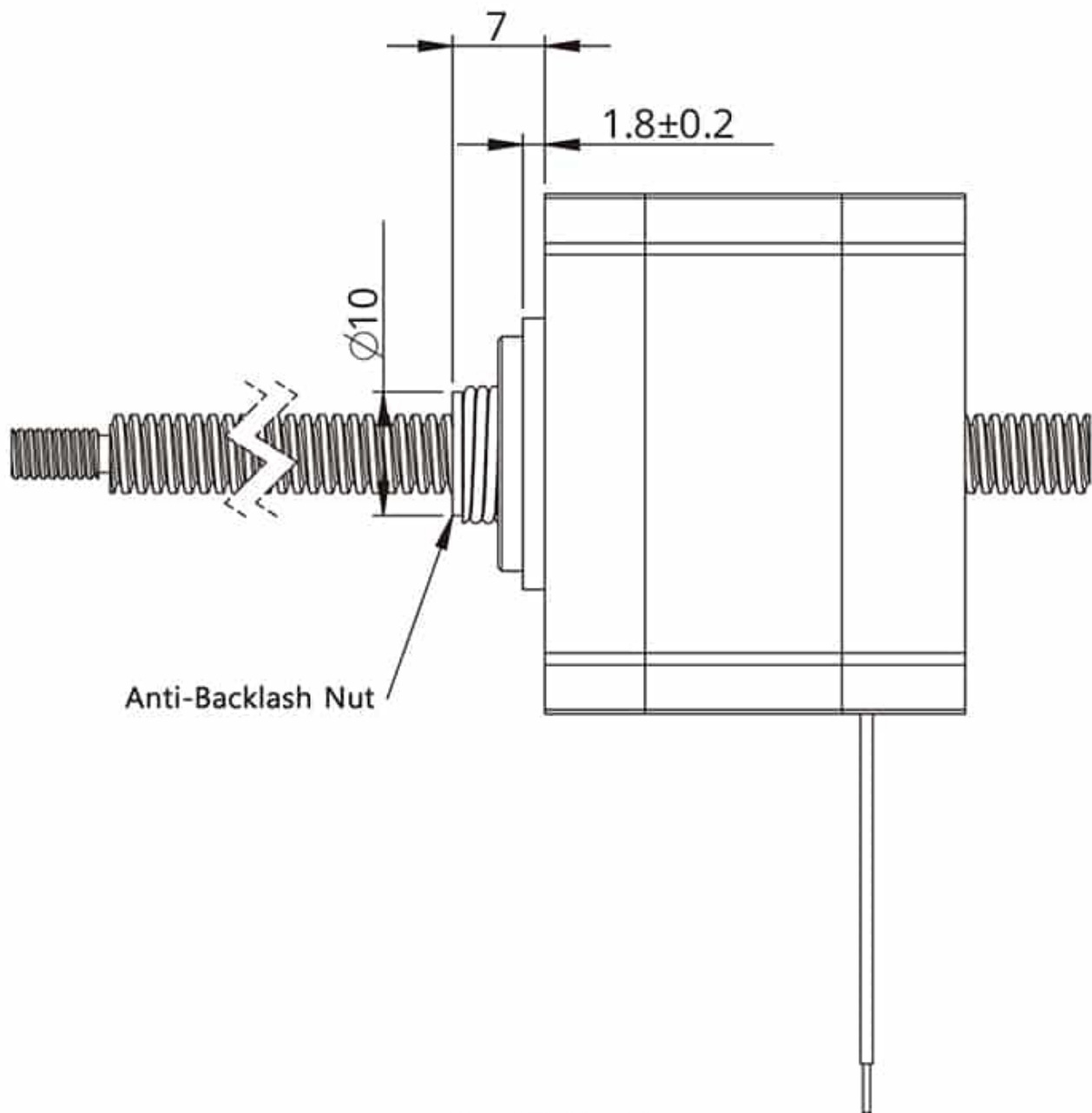
Size A (mm)	Stroke B (mm)	Size L (mm)	
		L=34.1	L=48.1
18.5	12.7	4.1	0
24.85	19.05	10.45	5.45
31.2	25.4	16.8	11.8
37.55	31.75	23.15	18.15
43.9	38.1	29.5	24.5
56.6	50.8	42.2	37.2
69.3	63.5	54.9	49.9



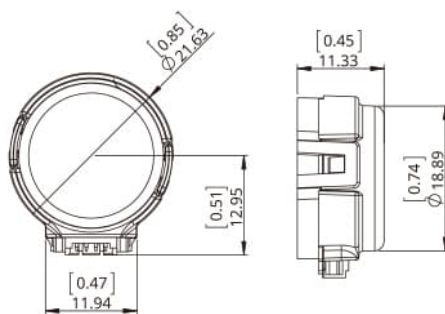
Size 14 (35mm) & Size 17 (42mm)
Torsion Spring Anti-Backlash Nut



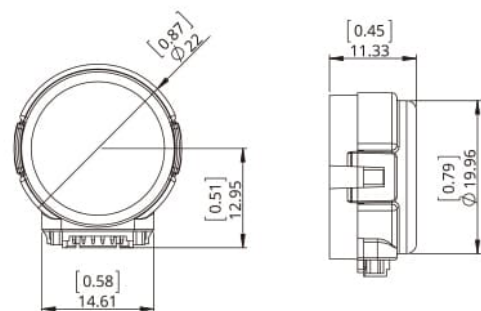
Size 14 (35mm) & Size 17 (42mm)
Compression Spring Anti-Backlash Nut



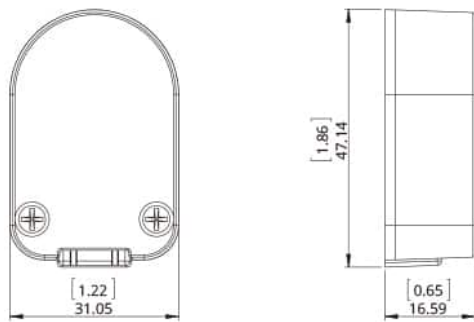
Size 17 (42mm)



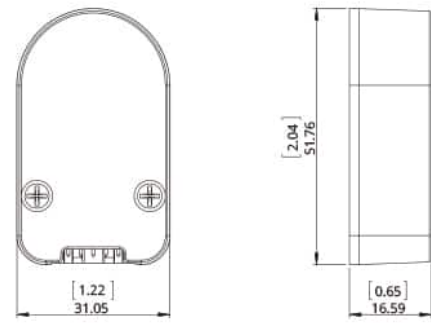
EK1 Encoder - Single ended output



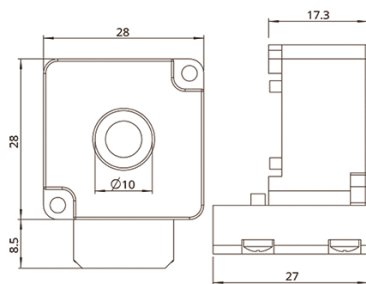
EK1 Encoder - Differential output



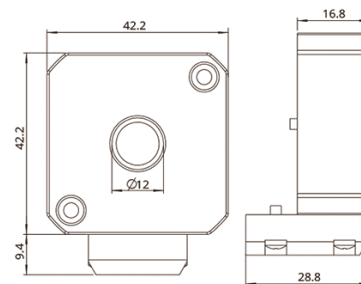
EK2 Encoder - Single ended output



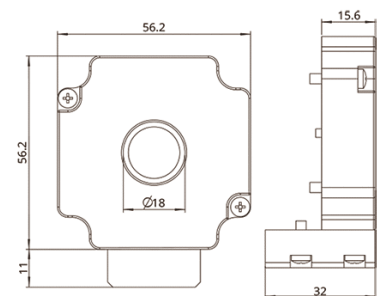
EK2 Encoder - Differential output



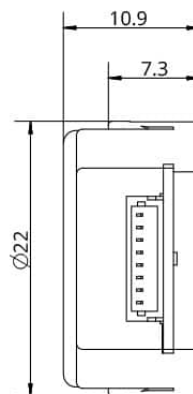
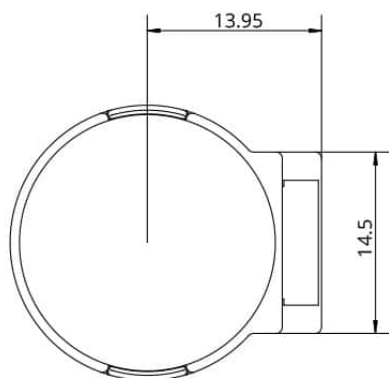
EK4 Encoder 11



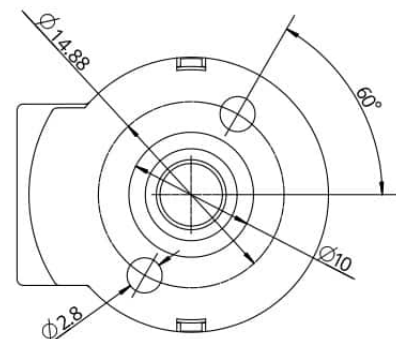
EK4 Encoder 17

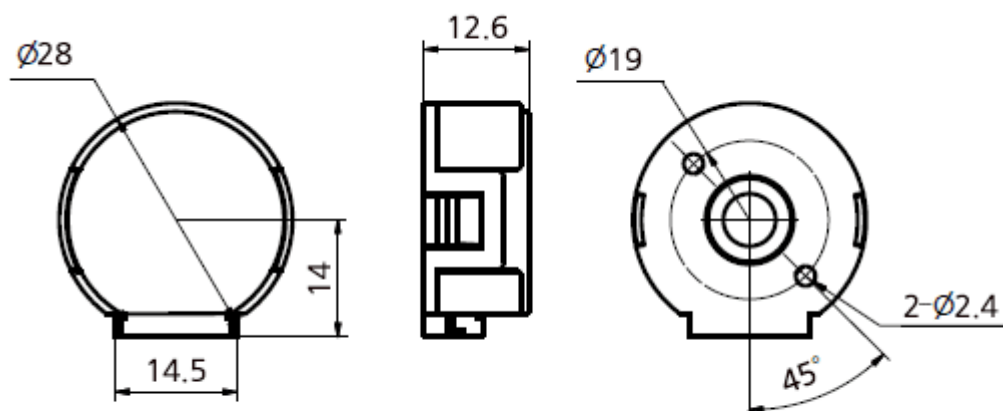


EK4 Encoder 23

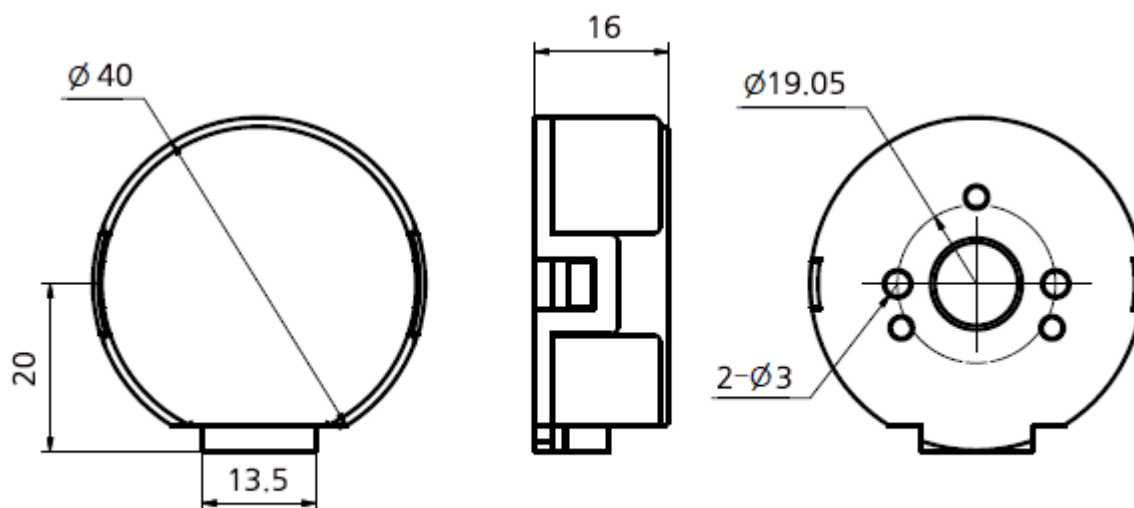


EK5 Encoder

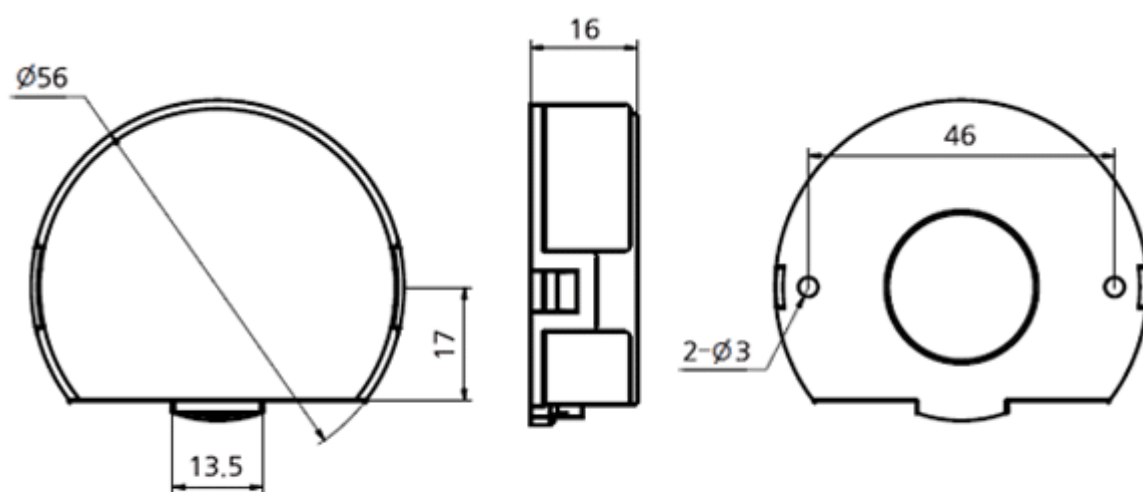




KPL28 Encoder

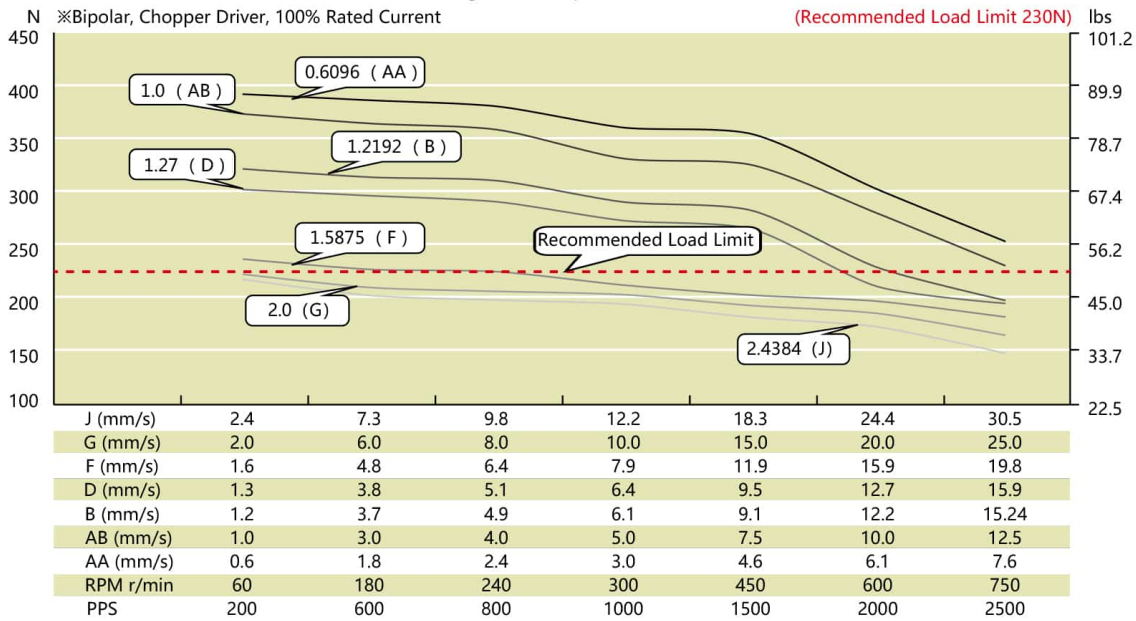


KPL40 Encoder

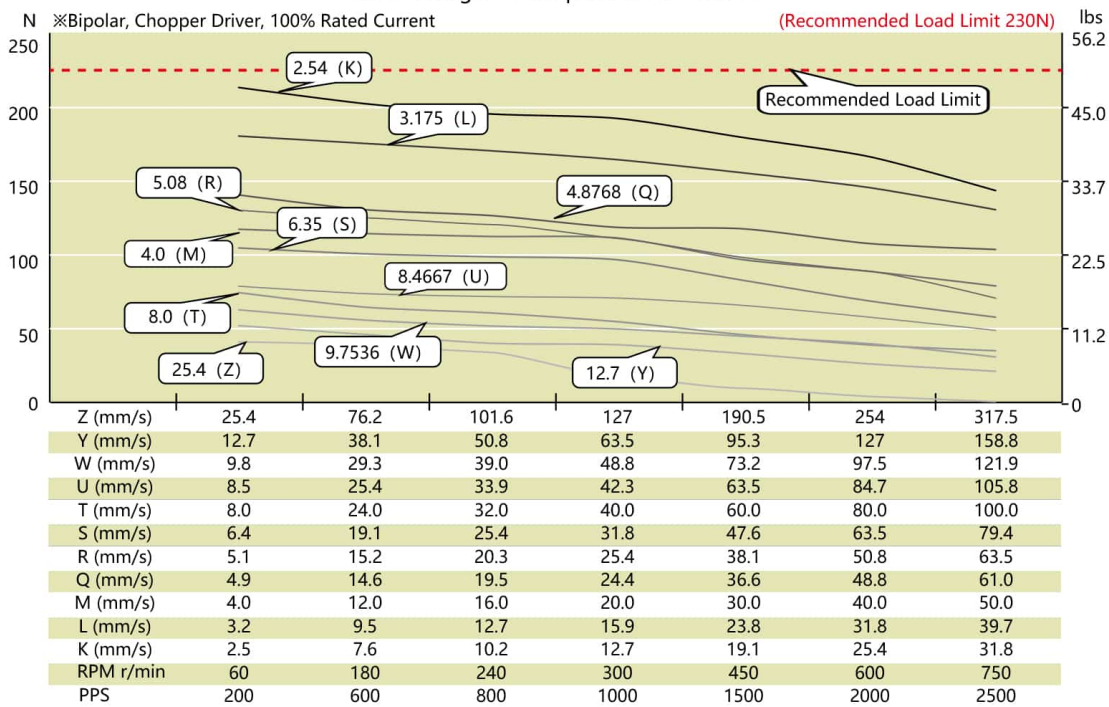


KPL56 Encoder

Size 17 Single Stack Speed Thrust Curves

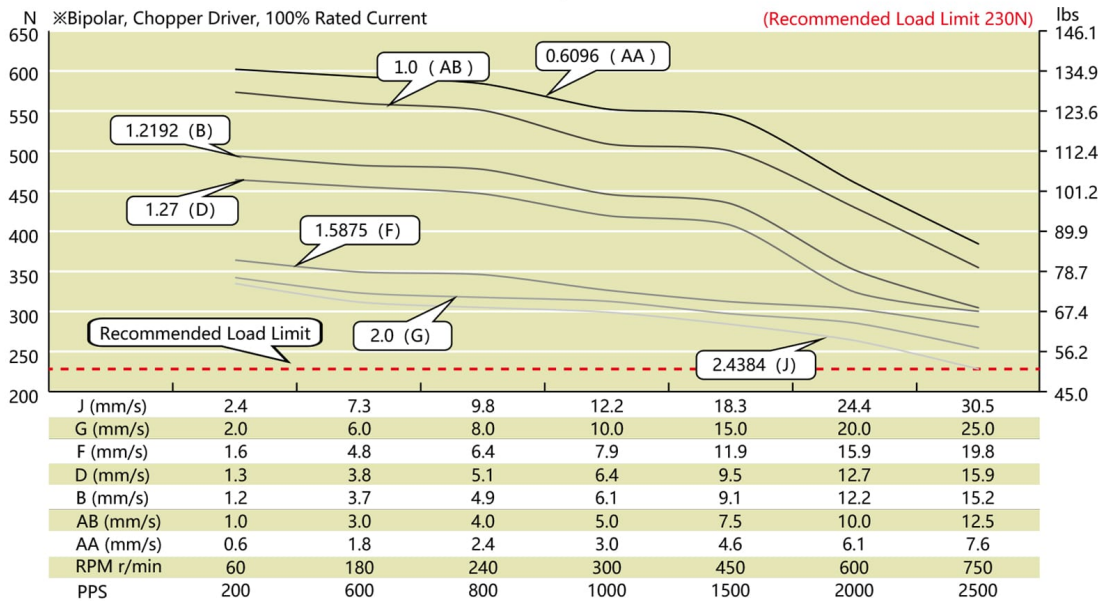


Size 17 Single Stack Speed Thrust Curves

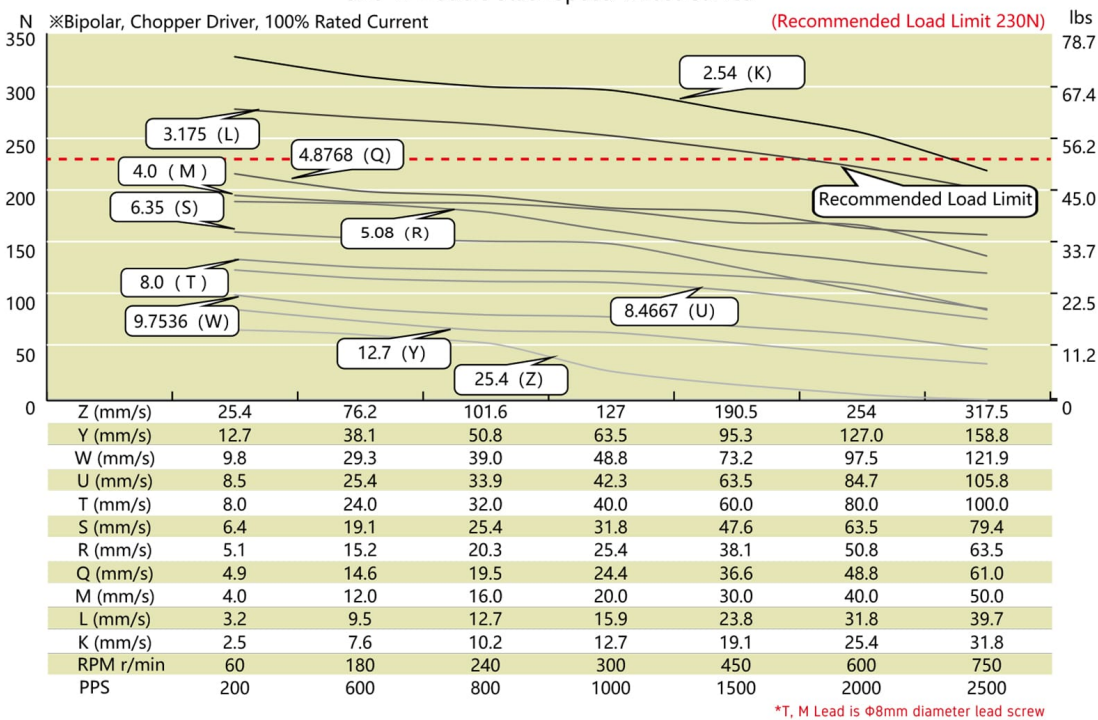
**TEST CONDITION**

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 17 Double Stack Speed Thrust Curves



Size 17 Double Stack Speed Thrust Curves

**TEST CONDITION**

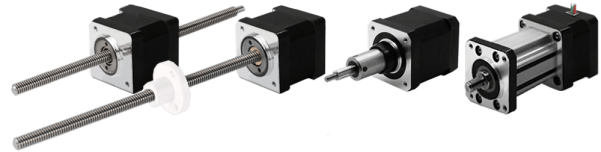
Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

17-2105

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/17-2105/>



Specification	
Voltage	7.2 V
Current	0.5 A
Resistance	14.4 Ω
Inductance	19.8 mH
Weight	254 g
Lead Wire No.	4
Motor Length	34.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

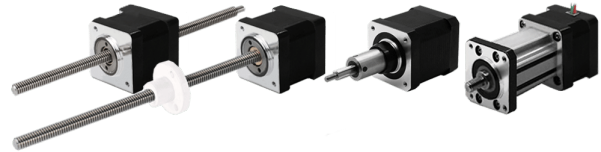
- Teflon Coating

17-2110

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/17-2110/>



Specification	
Voltage	3.8 V
Current	1 A
Resistance	3.8 Ω
Inductance	5 mH
Weight	254 g
Lead Wire No.	4
Motor Length	34.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

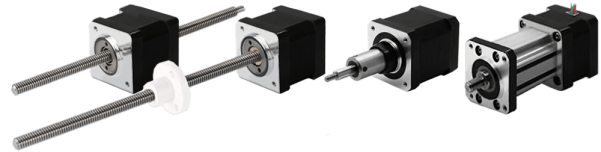
- Teflon Coating

17-2115

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/17-2115/>



Specification	
Voltage	2.85 V
Current	1.5 A
Resistance	1.9 Ω
Inductance	2.2 mH
Weight	254 g
Lead Wire No.	4
Motor Length	34.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

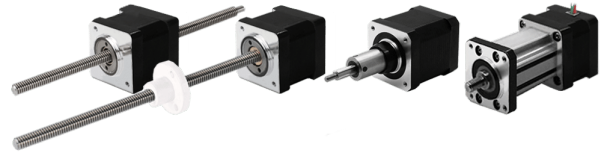
- Teflon Coating

17-2205

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/17-2205/>



Specification	
Voltage	11 V
Current	0.5 A
Resistance	22 Ω
Inductance	46 mH
Weight	386 g
Lead Wire No.	4
Motor Length	48.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

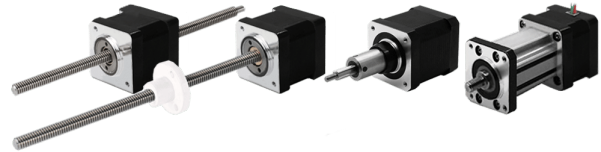
- Teflon Coating

17-2212

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/17-2212/>



Specification	
Voltage	4.5 V
Current	1.2 A
Resistance	3.8 Ω
Inductance	8 mH
Weight	386 g
Lead Wire No.	4
Motor Length	48.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

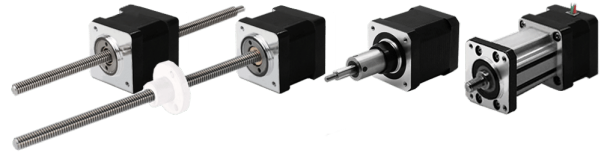
- Teflon Coating

17-2225

Size 17 [42mm] Stepper Lead Screw Linear Actuator is widely used for linear movement applications, providing up to 330N of continuous thrust. Size 17 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/17-2225/>



Specification	
Voltage	2.2 V
Current	2.5 A
Resistance	1 Ω
Inductance	1.8 mH
Weight	386 g
Lead Wire No.	4
Motor Length	48.1 mm
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5
- KPL28
- KPL40
- KPL56

Stacks

- Single Stack
- Double Stack

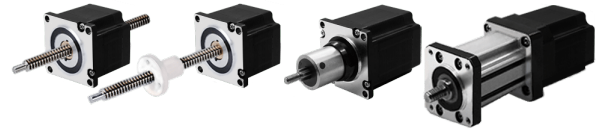
Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

SLSLA - Size 23 [57mm]



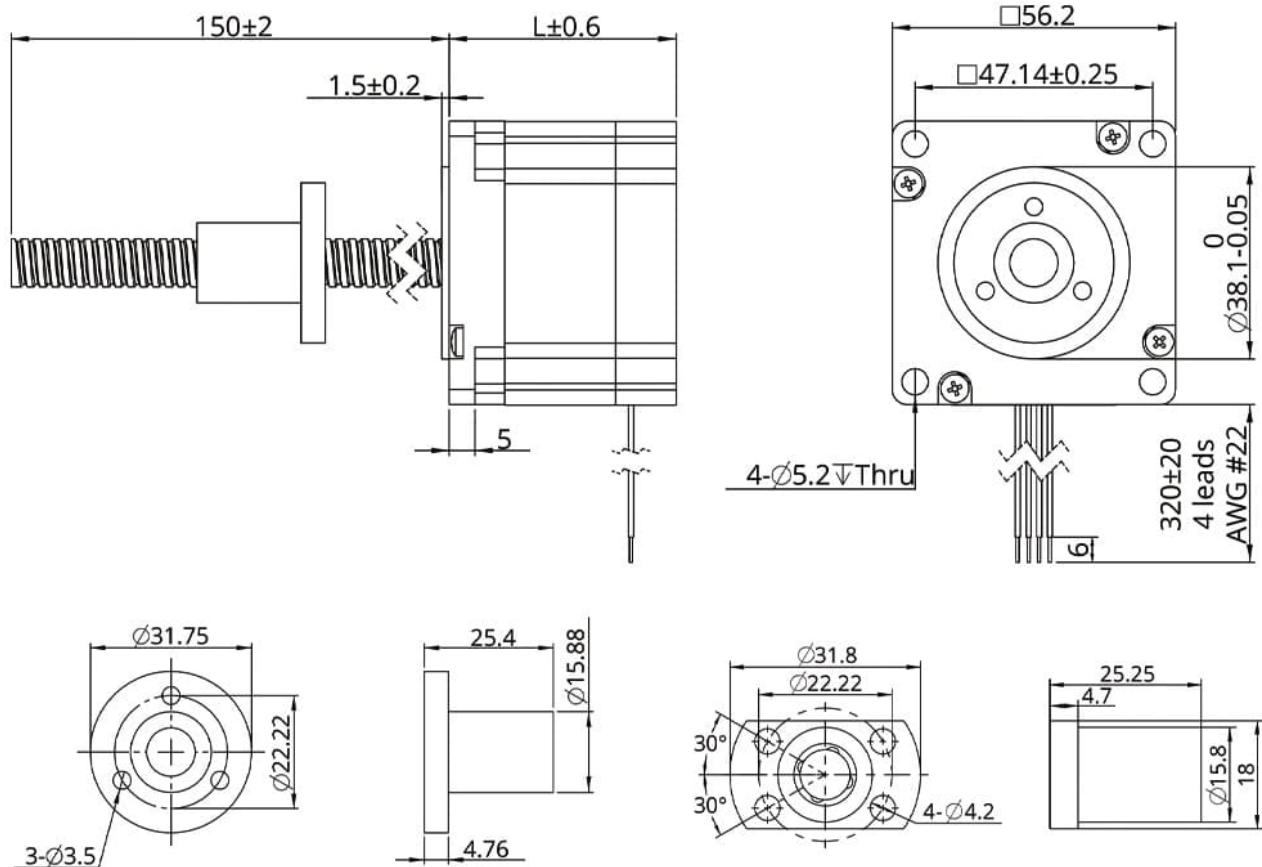
Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



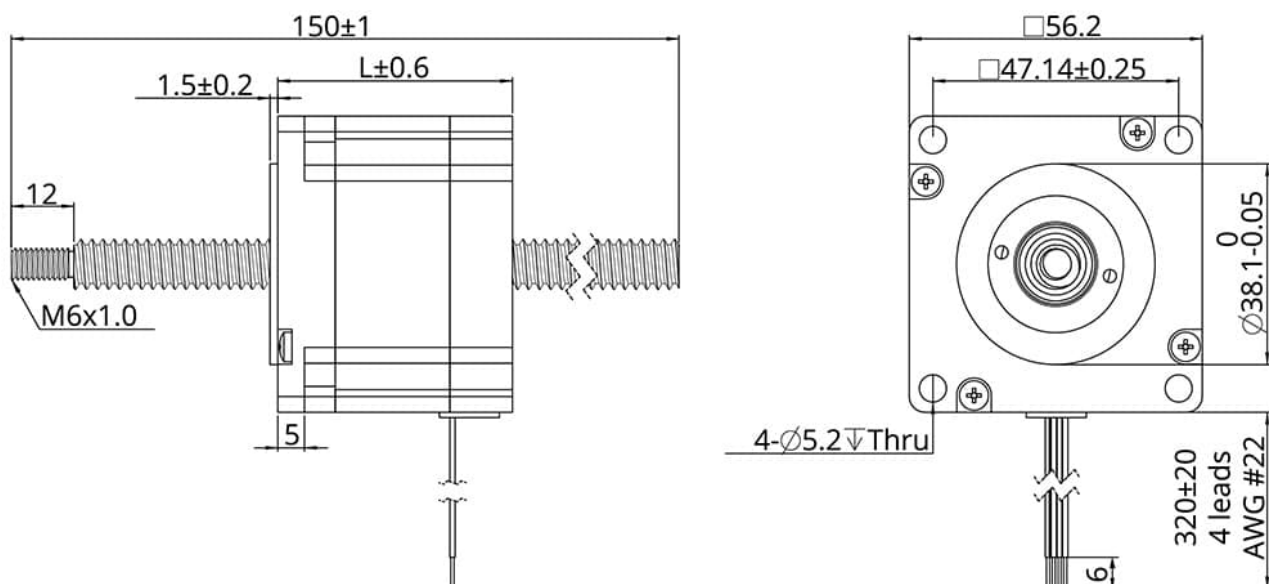
<https://www.kocomotion.de/produkt/slsla-size-23-57mm/>

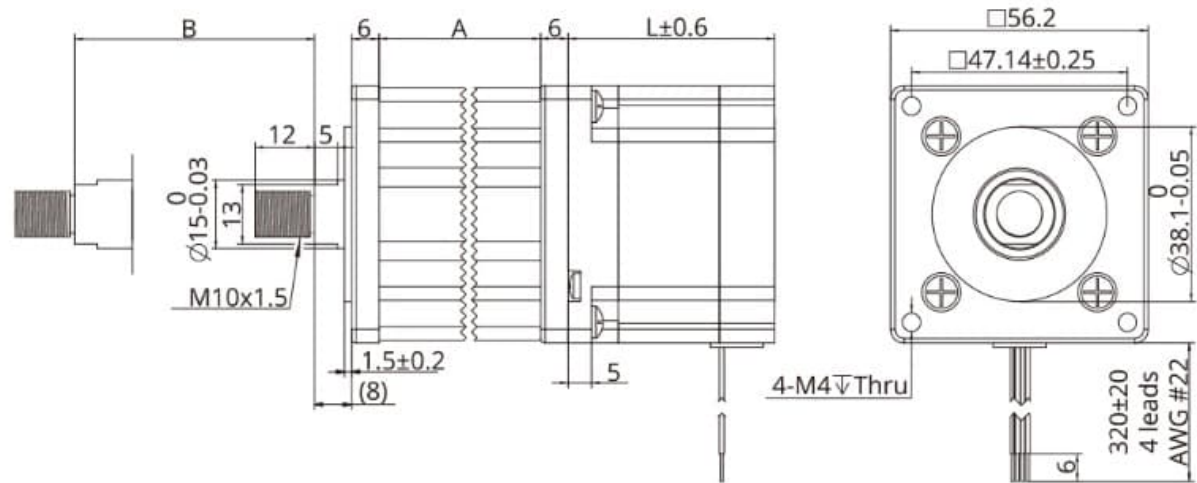
Produkte:	Seite
23-2110	134
23-2120	136
23-2130	138
23-2210	140
23-2225	142
23-2240	144

include __DIR__ . "/parts/spacer.php";



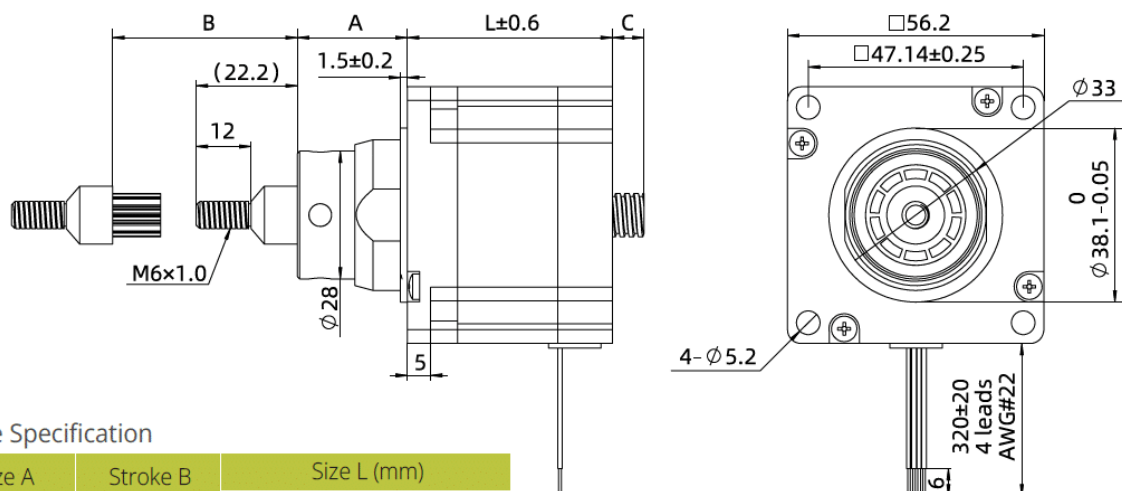
Nut Dimension





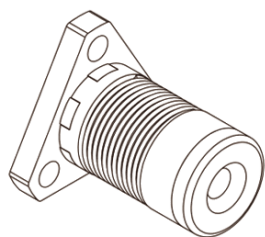
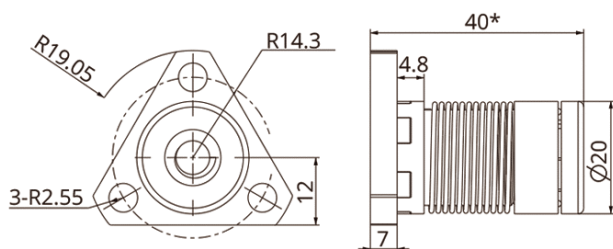
Stroke Specification

Size A (mm)	Stroke B (mm)	L (mm)	
45.70	12.70	Single Stack Motor 45	Double Stack Motor 65
52.05	19.05		
58.40	25.40		
64.80	31.80		
71.10	38.10		
83.80	50.80		
96.50	63.50		



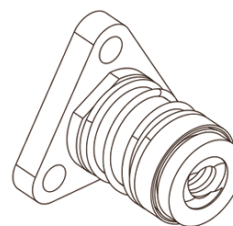
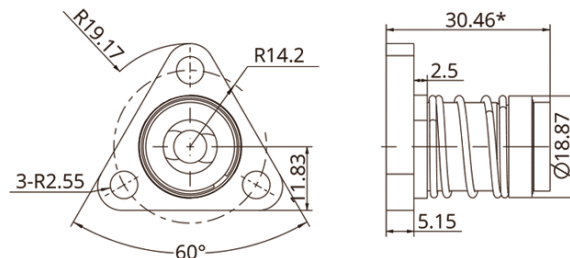
● Stroke Specification

Size A (mm)	Stroke B (mm)	Size L (mm)	
		L=45	L=65
24.2	12.7	5.8	0
30.55	19.05	12.15	2.15
36.9	25.4	18.5	8.5
43.25	31.75	24.85	14.85
49.6	38.1	31.2	21.2
62.3	50.8	43.9	33.9
75	63.5	56.6	46.6



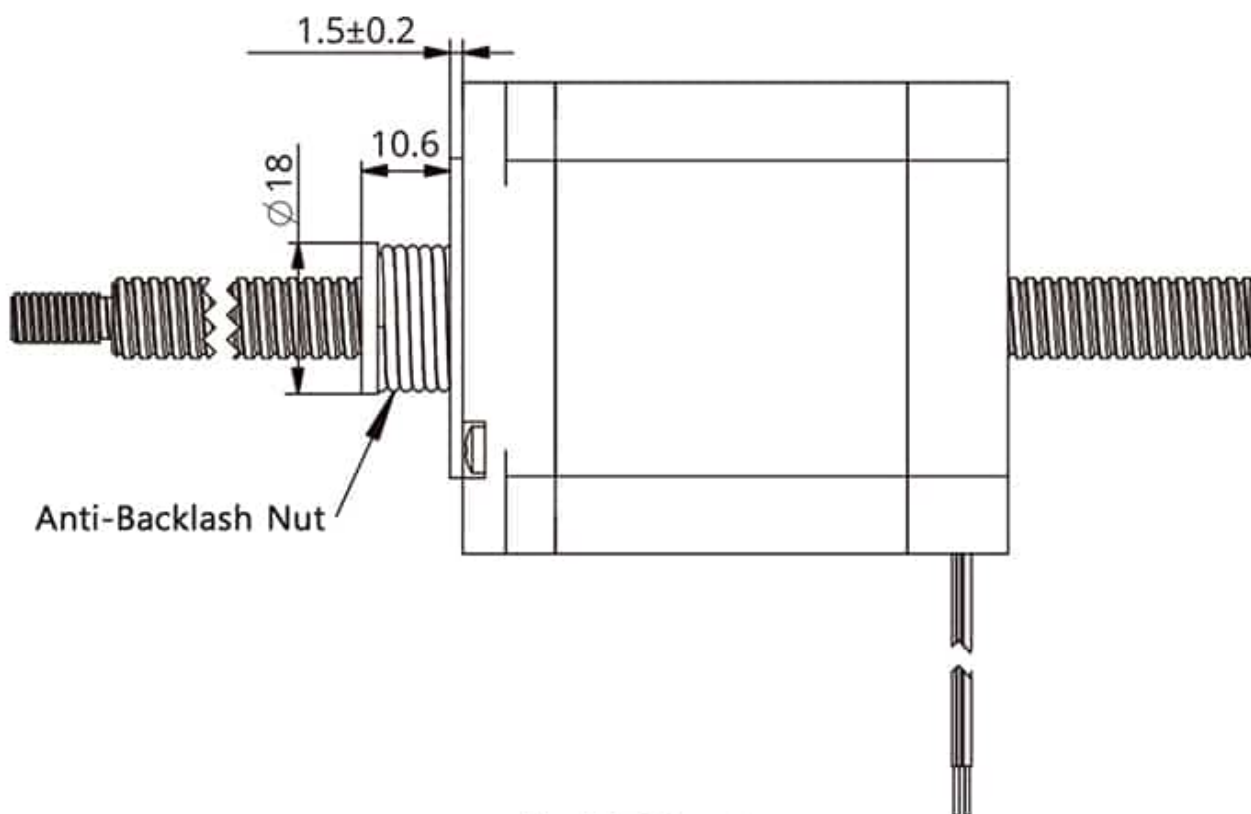
Size 23 (57mm)

Torsion Spring Anti-Backlash Nut

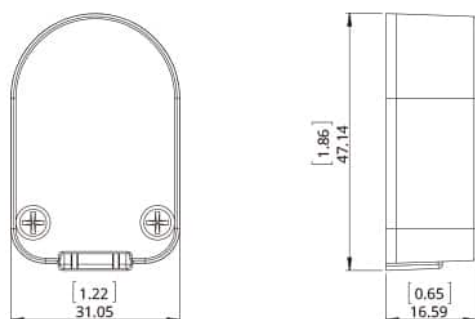


Size 23 (57mm)

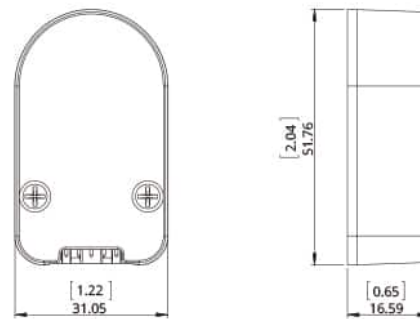
Compression Spring Anti-Backlash Nut



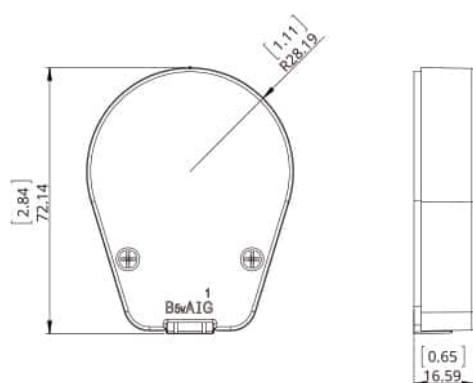
Size 23 (57mm)



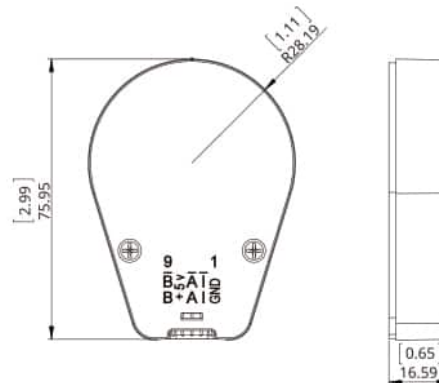
EK2 Encoder - Single ended output



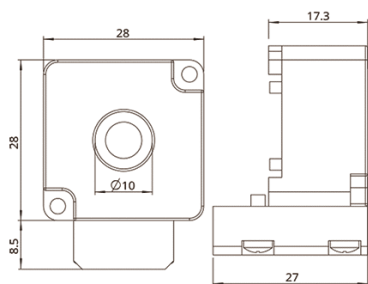
EK2 Encoder - Differential output



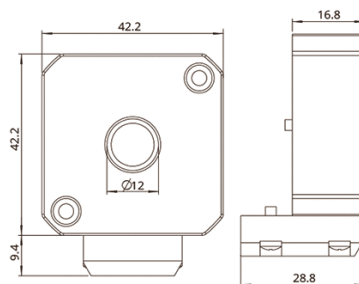
EK3 Encoder - Single ended output



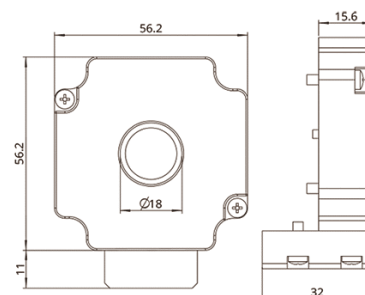
EK3 Encoder - Differential output



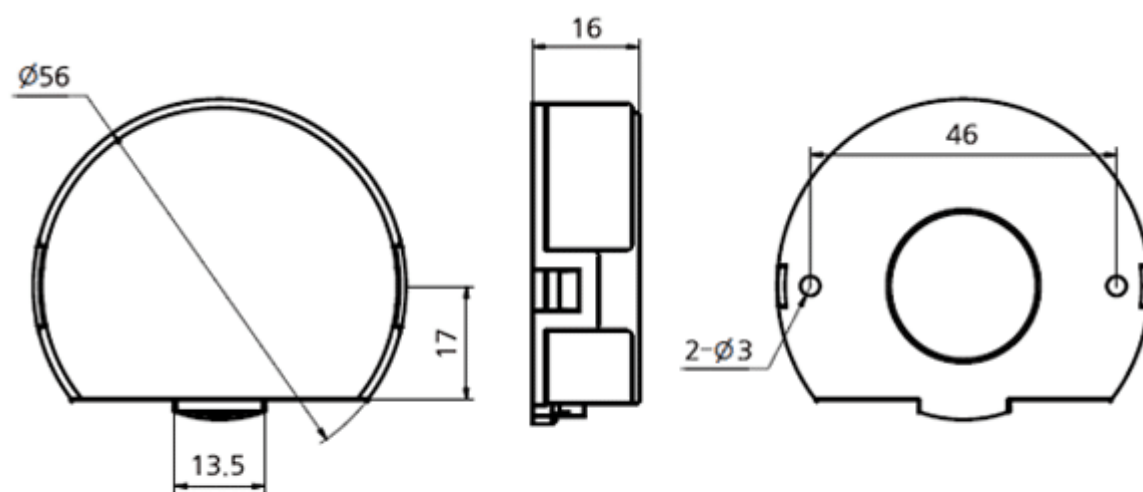
EK4 Encoder 11



EK4 Encoder 17

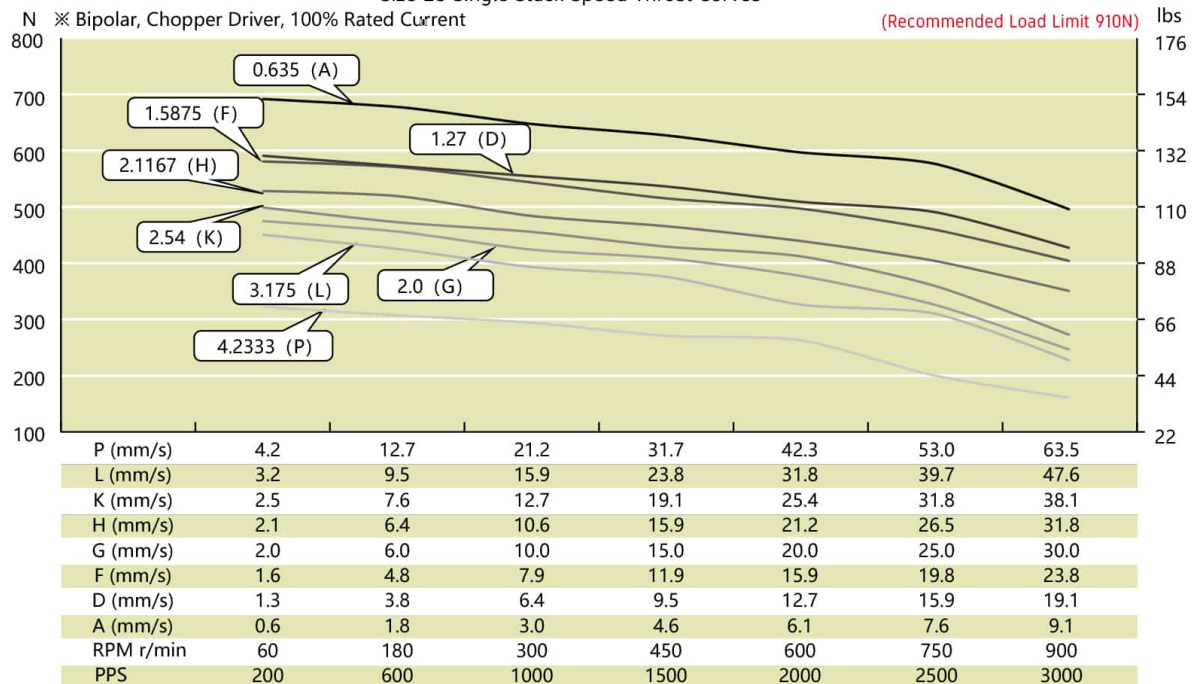


EK4 Encoder 23

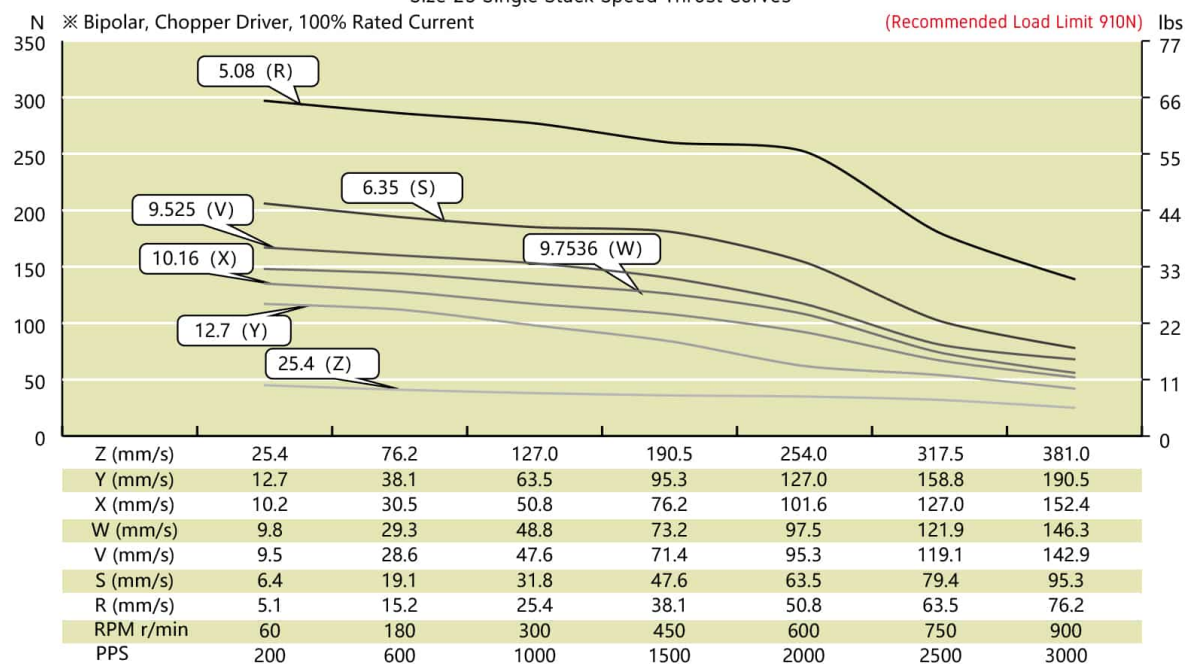


KPL56 Encoder

Size 23 Single Stack Speed Thrust Curves

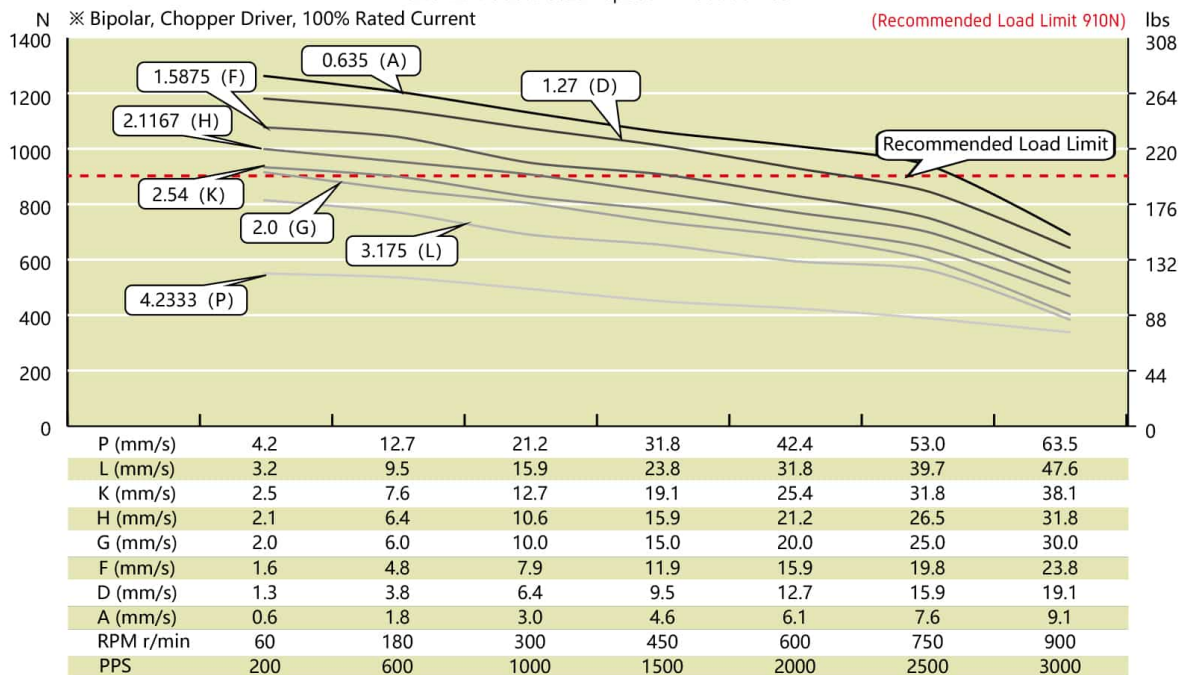


Size 23 Single Stack Speed Thrust Curves

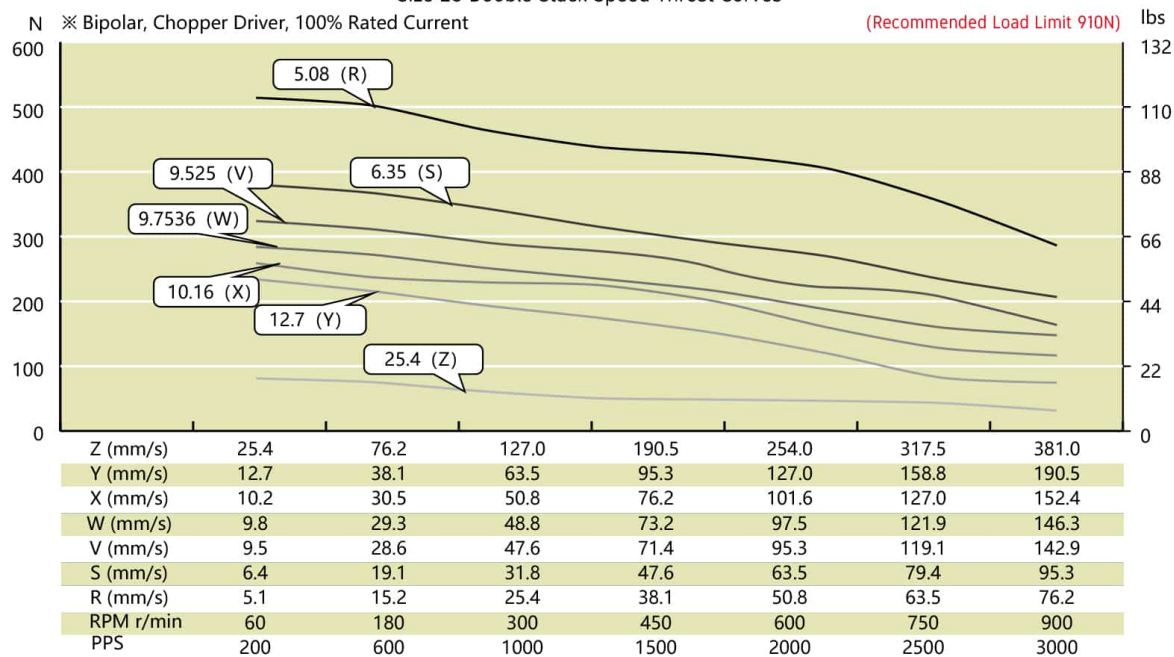
**TEST CONDITION:**

Testing Voltage: 40Vdc, Driver Model: DS-OLS4-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 23 Double Stack Speed Thrust Curves



Size 23 Double Stack Speed Thrust Curves

**TEST CONDITION**

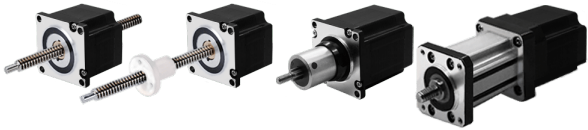
Testing Voltage: 40Vdc, Driver Model: DS-OLS4-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

23-2110

Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/23-2110/>



Specification	
Voltage	6.4 V
Current	1 A
Resistance	6.4 Ω
Inductance	16.4 mH
Weight	585 g
Lead Wire No.	4
Motor Length	45 mm
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3
- EK4
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

23-2120

Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/23-2120/>



Specification	
Voltage	3.5 V
Current	2 A
Resistance	1.75 Ω
Inductance	4.1 mH
Weight	585 g
Lead Wire No.	4
Motor Length	45 mm
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3
- EK4
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

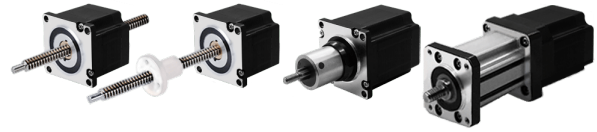
- Teflon Coating

23-2130

Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/23-2130/>



Specification	
Voltage	2.4 V
Current	3 A
Resistance	0.8 Ω
Inductance	1.7 mH
Weight	585 g
Lead Wire No.	4
Motor Length	45 mm
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3
- EK4
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

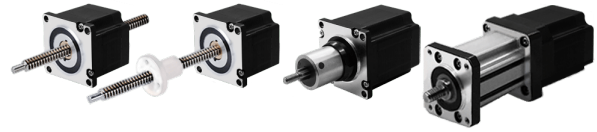
- Teflon Coating

23-2210

Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/23-2210/>



Specification	
Voltage	11.5 V
Current	1 A
Resistance	11.5 Ω
Inductance	32 mH
Weight	880 g
Lead Wire No.	4
Motor Length	65 mm
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3
- EK4
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

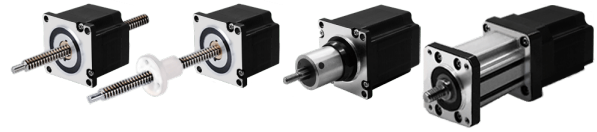
- Teflon Coating

23-2225

Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/23-2225/>



Specification	
Voltage	5 V
Current	2.5 A
Resistance	2 Ω
Inductance	5.2 mH
Weight	880 g
Lead Wire No.	4
Motor Length	65 mm
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3
- EK4
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

23-2240

Size 23 [57mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 910N. Size 23 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/23-2240/>



Specification	
Voltage	2.8 V
Current	4 A
Resistance	0.7 Ω
Inductance	2 mH
Weight	880 g
Lead Wire No.	4
Motor Length	65 mm
Size	23 Nema
Flange size	57 mm

Optionen

Encoder

- EK2
- EK3
- EK4
- KPL56

Stacks

- Single Stack
- Double Stack

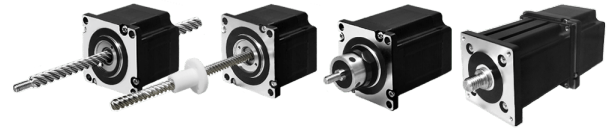
Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

SLSLA - Size 24 [60mm]



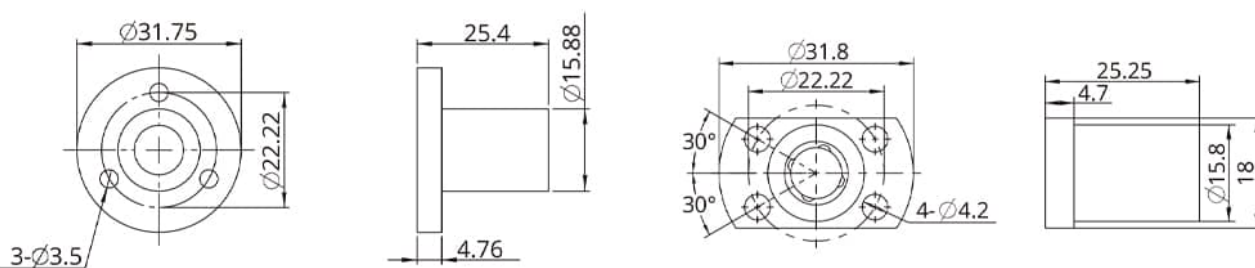
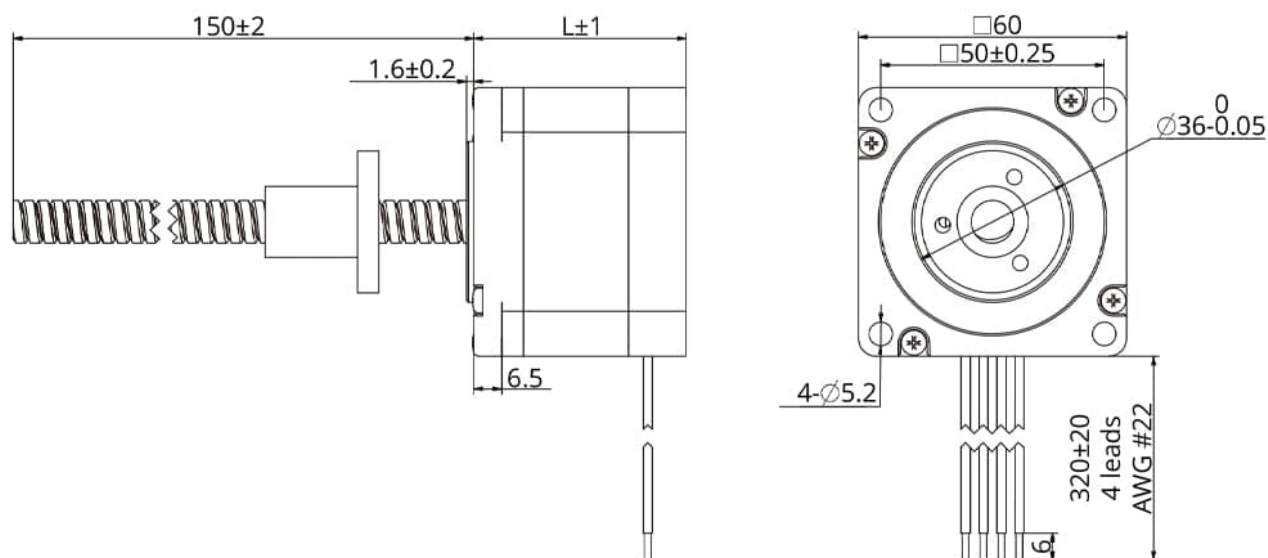
Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



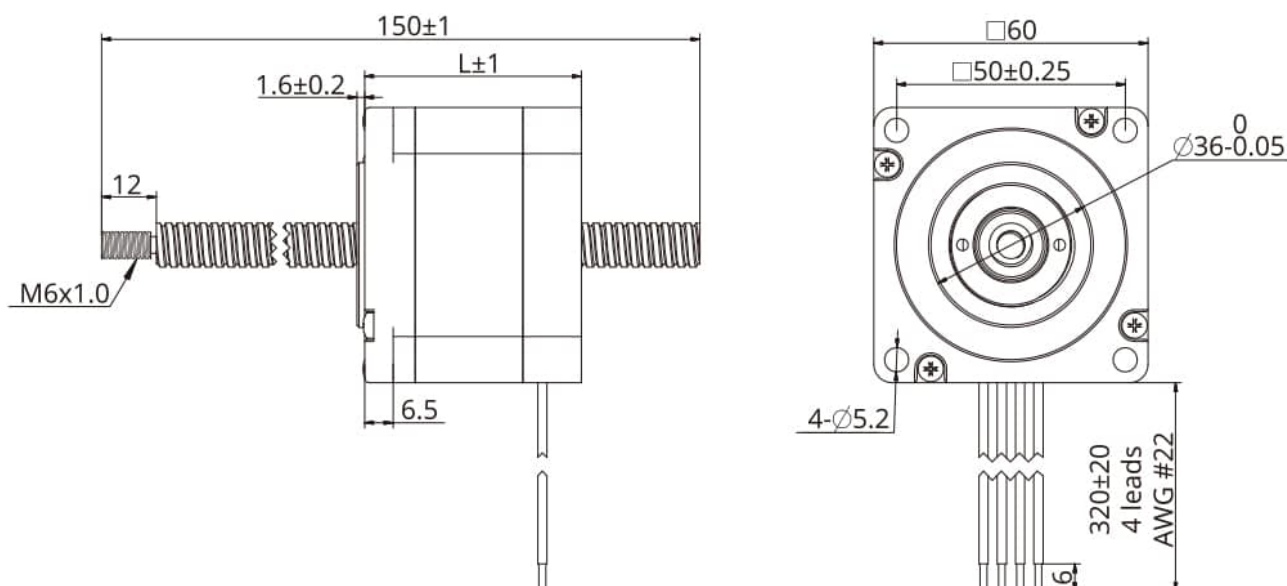
<https://www.kocomotion.de/produkt/slsla-size-24-60mm/>

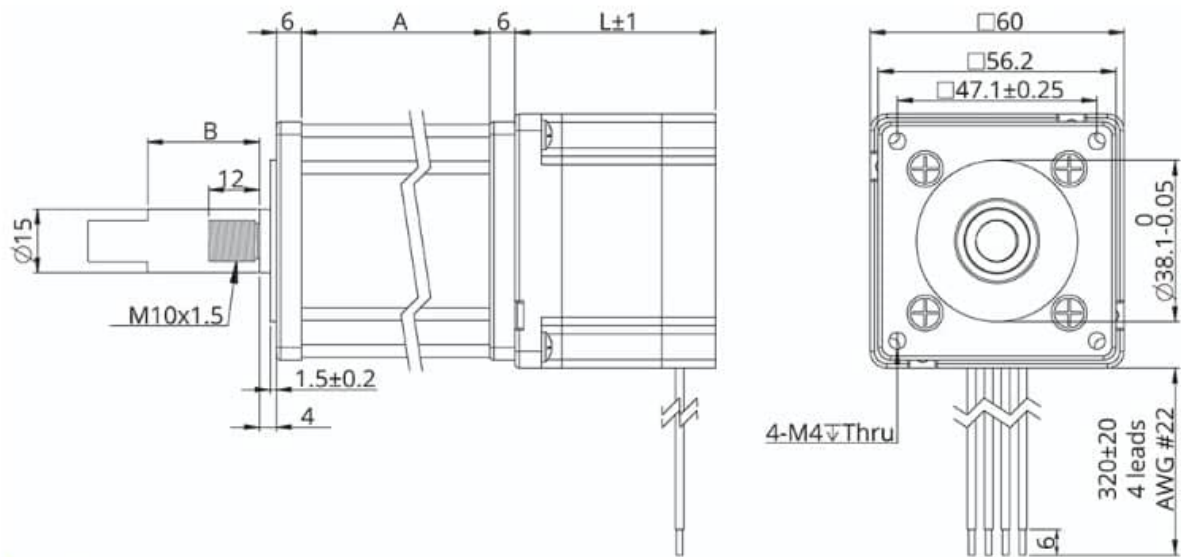
Produkte:	Seite
24-2120	153
24-2130	155
24-2140	157
24-2230	159
24-2240	161
24-2250	163

include __DIR__ . "/parts/spacer.php";



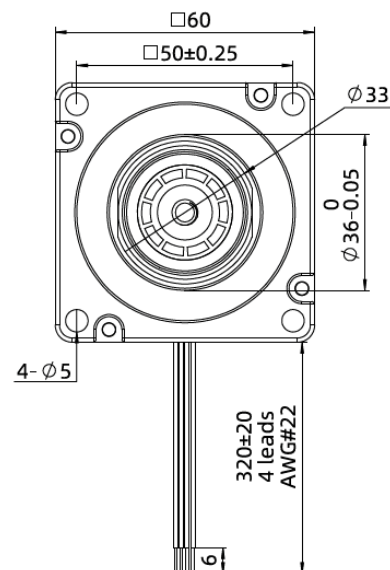
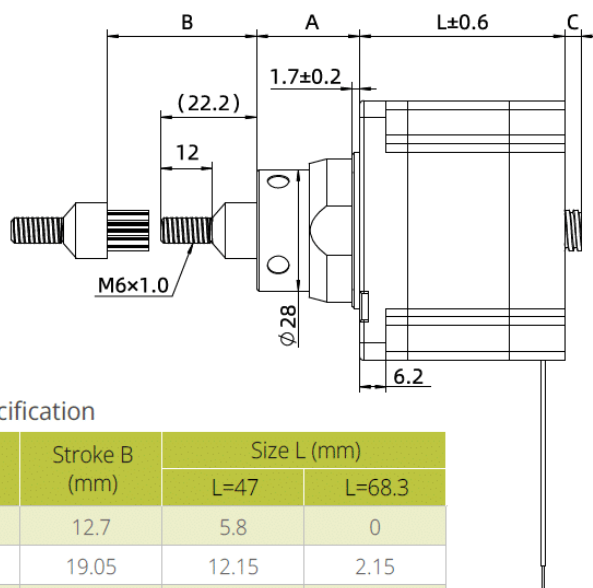
Nut Dimension





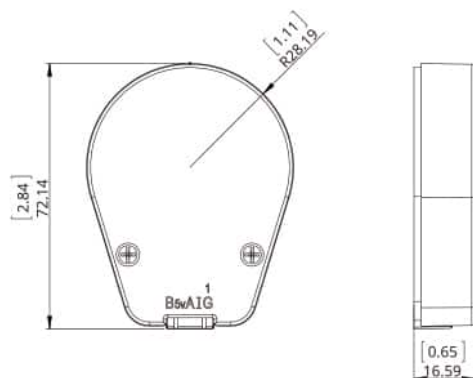
Stroke Specification

Size A (mm)	Stroke B (mm)	L (mm)	
45.70	12.70	Single Stack Motor 47	Double Stack Motor 68.3
52.05	19.05		
58.40	25.40		
64.80	31.80		
71.10	38.10		
83.80	50.80		
96.50	63.50		

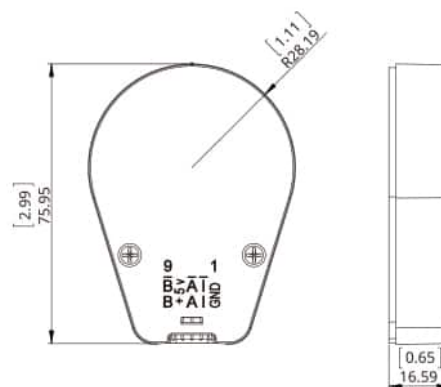


Stroke Specification

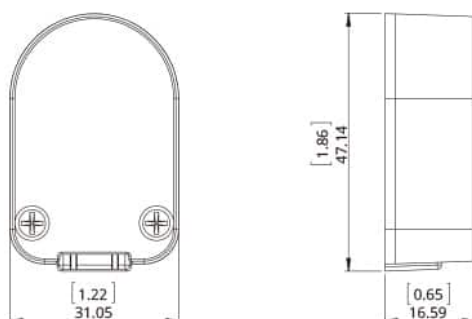
Size A (mm)	Stroke B (mm)	Size L (mm)	
		L=47	L=68.3
24.2	12.7	5.8	0
30.55	19.05	12.15	2.15
36.9	25.4	18.5	8.5
43.25	31.75	24.85	14.85
49.6	38.1	31.2	21.2
62.3	50.8	43.9	33.9
75	63.5	56.6	46.6



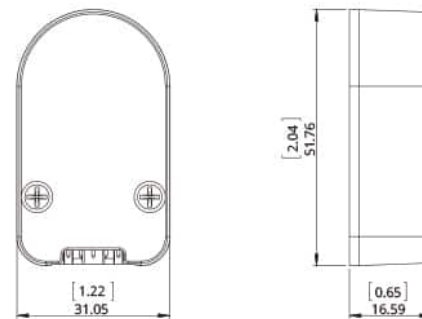
EK3 Encoder - Single ended output



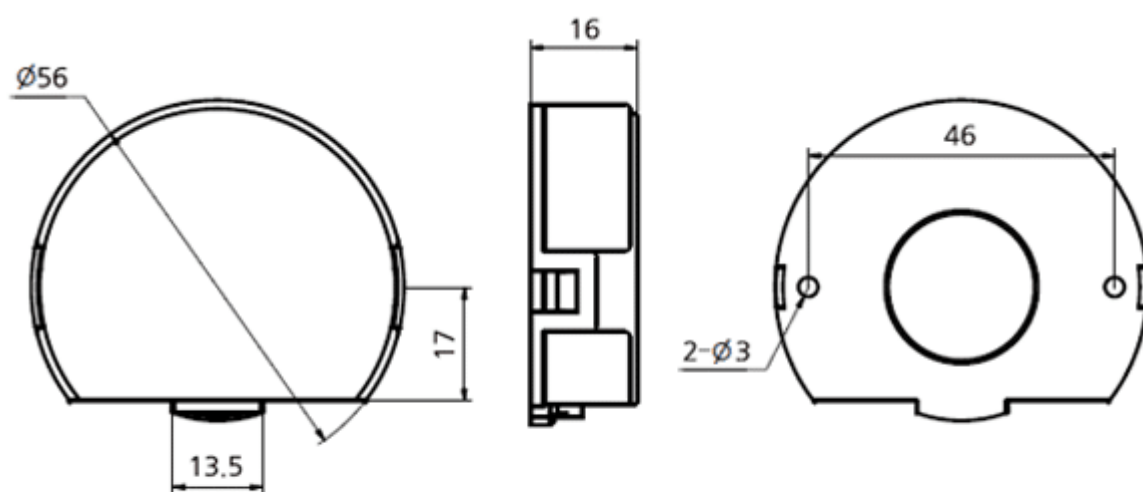
EK3 Encoder - Differential output



EK2 Encoder - Single ended output

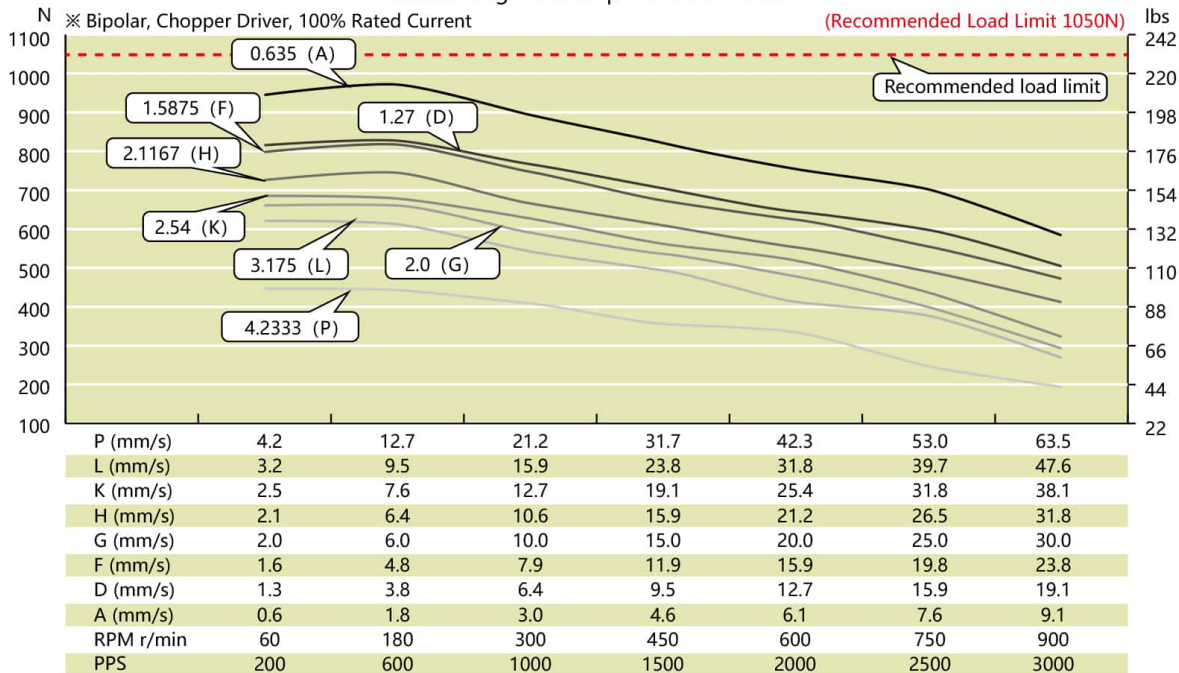


EK2 Encoder - Differential output

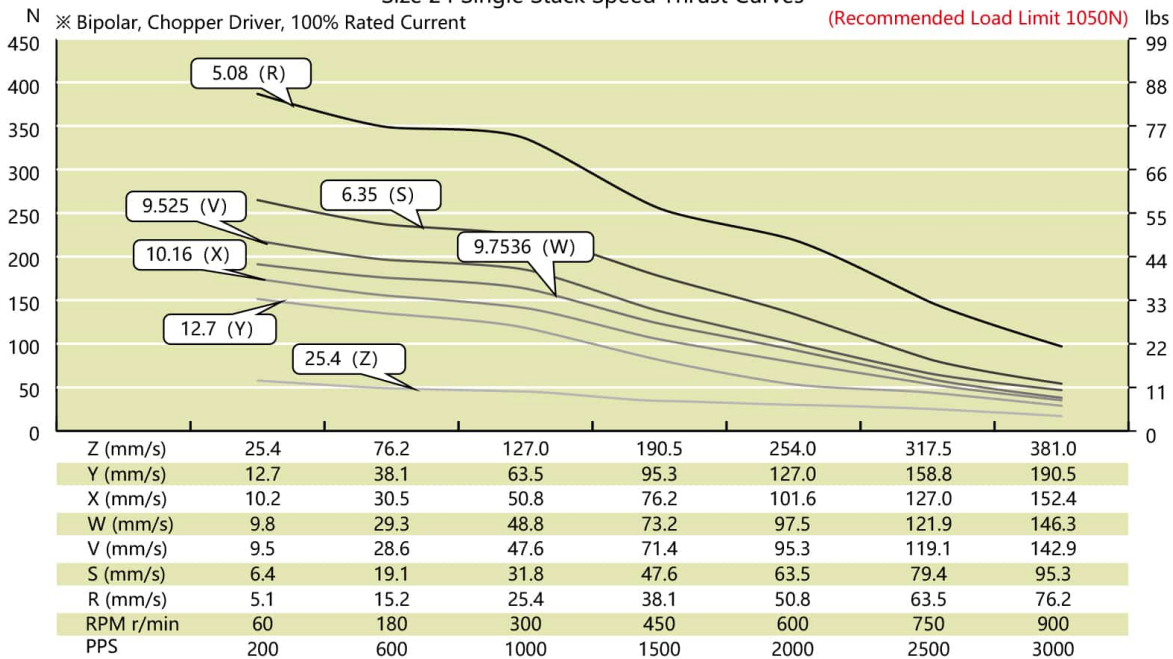


KPL56 Encoder

Size 24 Single Stack Speed Thrust Curves

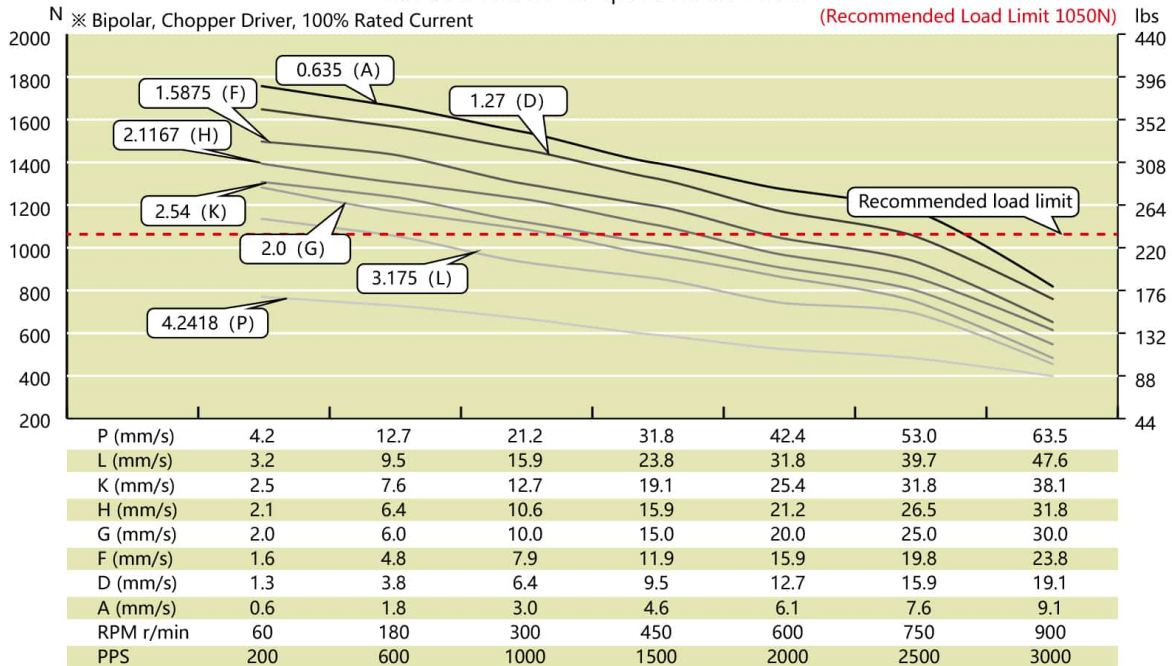


Size 24 Single Stack Speed Thrust Curves

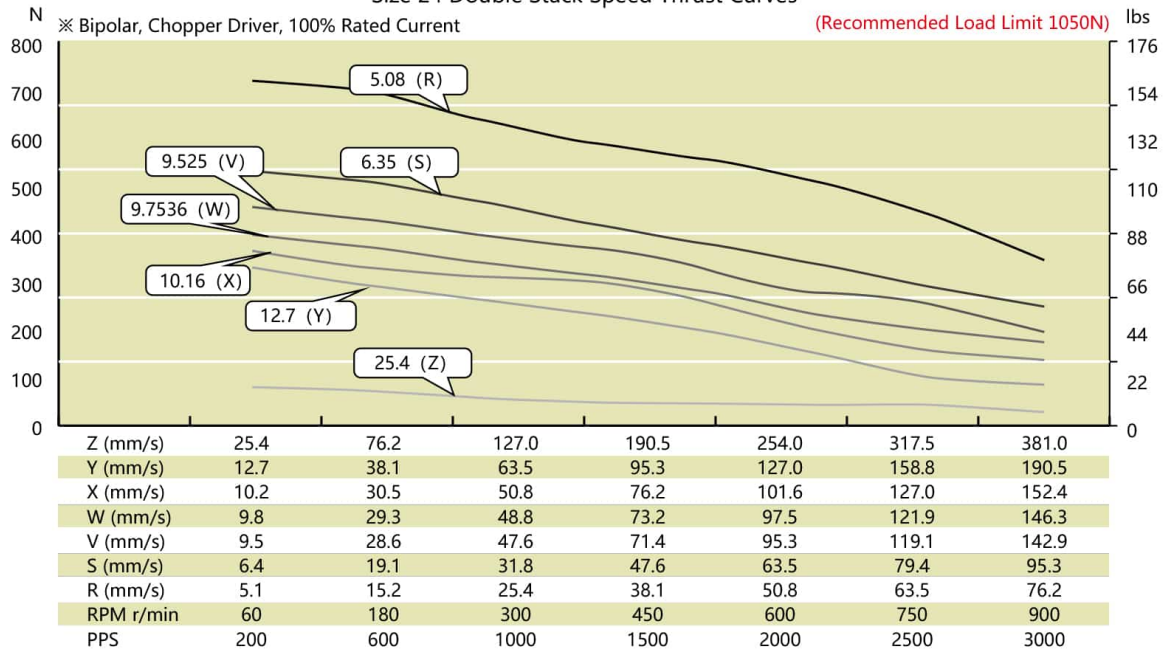
**TEST CONDITION**

Testing Voltage: 40Vdc, Driver Model: DS-OLS4-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 24 Double Stack Speed Thrust Curves



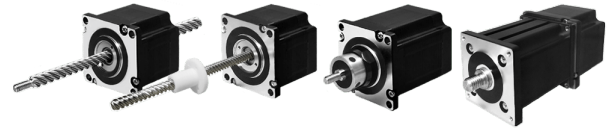
Size 24 Double Stack Speed Thrust Curves

**TEST CONDITION:**

Testing Voltage: 40Vdc, Driver Model: DS-OLS4-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

24-2120

Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/24-2120/>

Specification	
Voltage	3 V
Current	2 A
Resistance	1.5 Ω
Inductance	3.9 mH
Weight	680 g
Lead Wire No.	4
Motor Length	47 mm
Size	24 Nema
Flange size	60 mm

Optionen

Encoder

- EK2
- EK3
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

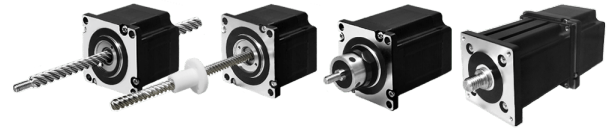
- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

24-2130

Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/24-2130/>

Specification	
Voltage	1.8 V
Current	3 A
Resistance	0.6 Ω
Inductance	1.6 mH
Weight	680 g
Lead Wire No.	4
Motor Length	47 mm
Size	24 Nema
Flange size	60 mm

Optionen

Encoder

- EK2
- EK3
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

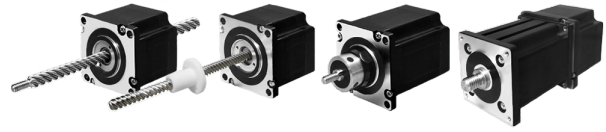
- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

24-2140

Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/24-2140/>

Specification	
Voltage	1.6 V
Current	4 A
Resistance	0.4 Ω
Inductance	0.9 mH
Weight	680 g
Lead Wire No.	4
Motor Length	47 mm
Size	24 Nema
Flange size	60 mm

Optionen

Encoder

- EK2
- EK3
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

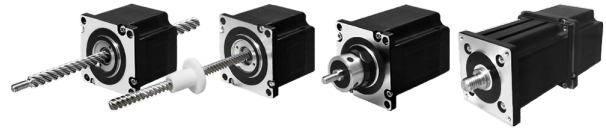
- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

24-2230

Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/24-2230/>

Specification	
Voltage	3 V
Current	3 A
Resistance	1 Ω
Inductance	3.4 mH
Weight	1080 g
Lead Wire No.	4
Motor Length	68.3 mm
Size	24 Nema
Flange size	60 mm

Optionen

Encoder

- EK2
- EK3
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

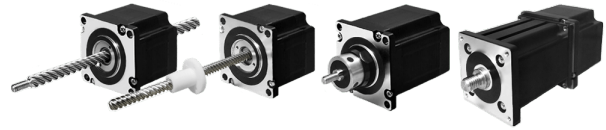
- Teflon Coating

24-2240

Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/24-2240/>



Specification	
Voltage	2.4 V
Current	4 A
Resistance	0.6 Ω
Inductance	1.9 mH
Weight	1080 g
Lead Wire No.	4
Motor Length	68.3 mm
Size	24 Nema
Flange size	60 mm

Optionen

Encoder

- EK2
- EK3
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

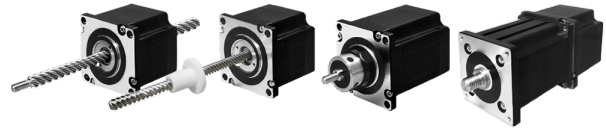
- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

- Teflon Coating

24-2250

Size 24 [60mm] Stepper Lead Screw Linear Actuator provides high performance, a longer working cycle, and is capable of 1050N. Size 24 Stepper Lead Screw Linear Actuator has four form factors available - External, Non-Captive, Electrical Cylinder (Captive) and Kaptive.



<https://www.kocomotion.de/produkt/24-2250/>

Specification	
Voltage	1.5 V
Current	5 A
Resistance	0.3 Ω
Inductance	1.2 mH
Weight	1080 g
Lead Wire No.	4
Motor Length	68.3 mm
Size	24 Nema
Flange size	60 mm

Optionen

Encoder

- EK2
- EK3
- KPL56

Stacks

- Single Stack
- Double Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

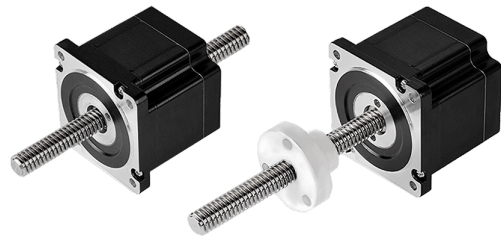
- Teflon Coating

SLSLA - Size 34 [86mm]

Size 34 [86mm] Stepper Lead Screw Linear Actuator is our biggest in size, and can provide up to 2270N of continuous thrust. Size 34 Stepper Lead Screw Linear Actuator has two form factors available - External and Non-Captive



<https://www.kocomotion.de/produkt/slsla-size-34-86mm/>



Produkte:

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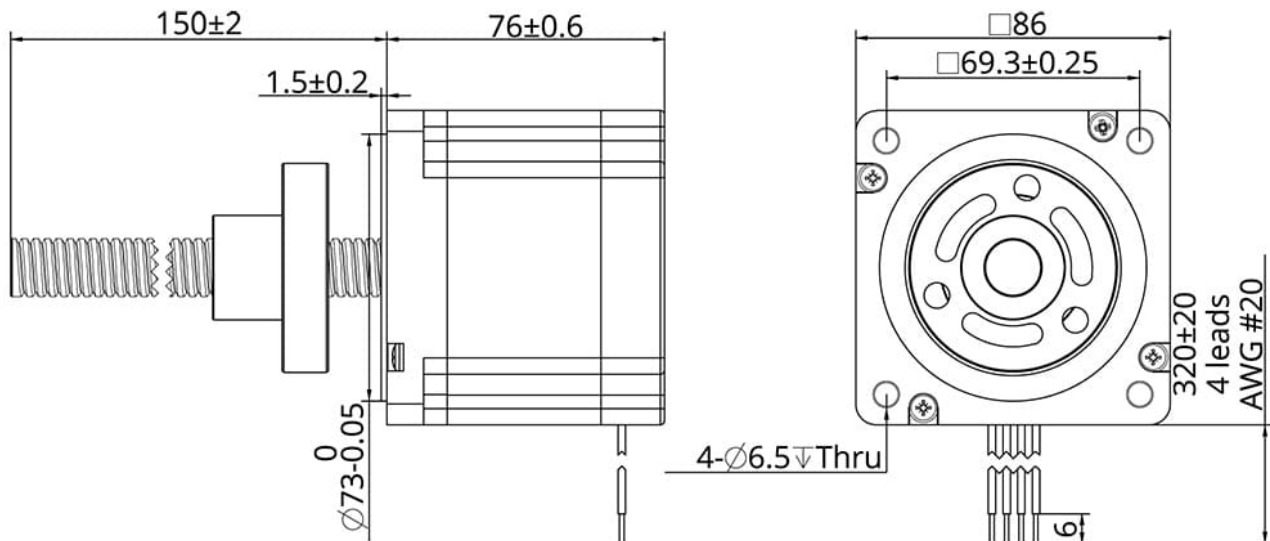
34-2130

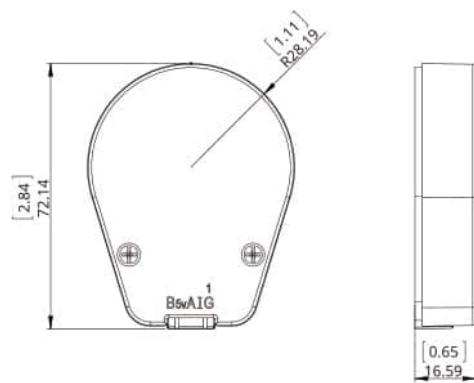
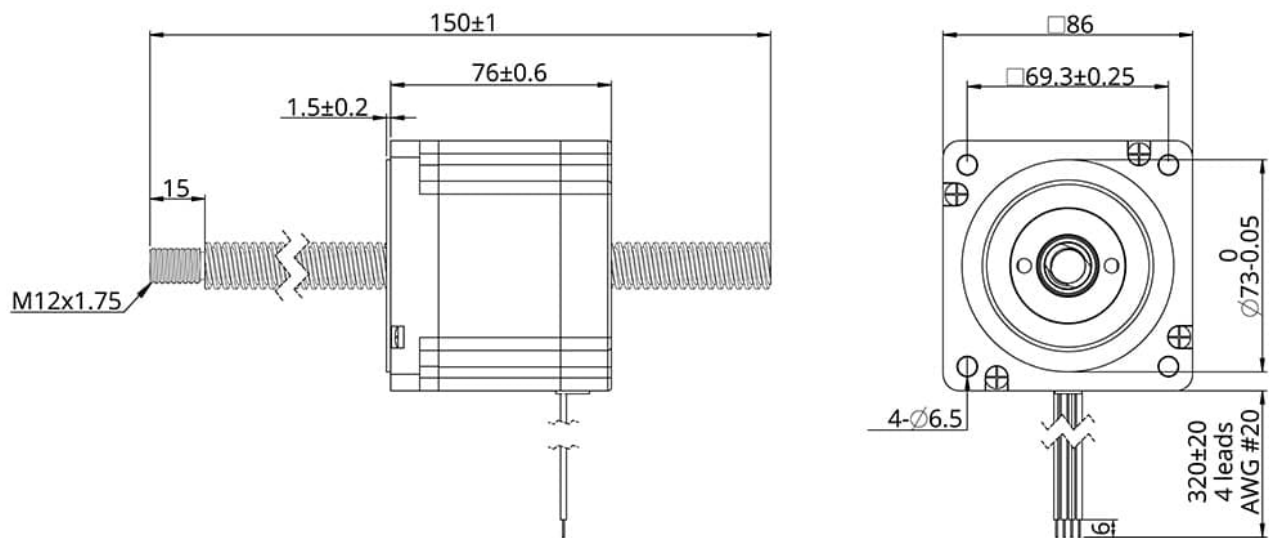
169

34-2155

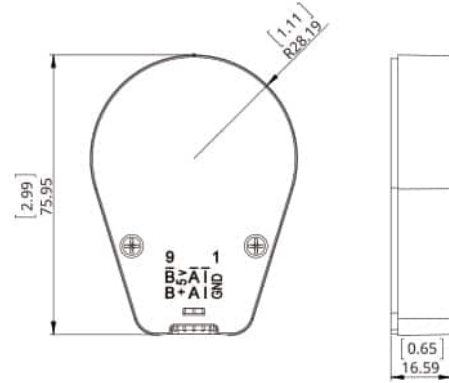
170

include __DIR__ . "/parts/spacer.php";



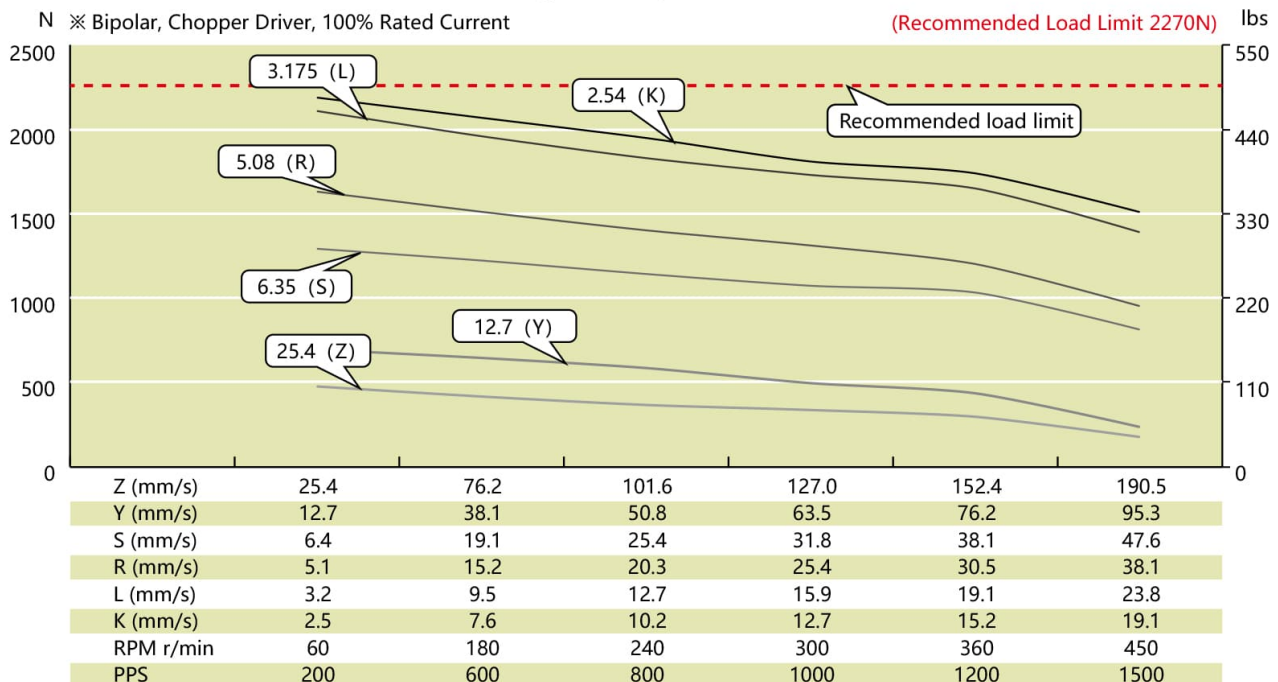


EK3 Encoder - Single ended output



EK3 Encoder - Differential output

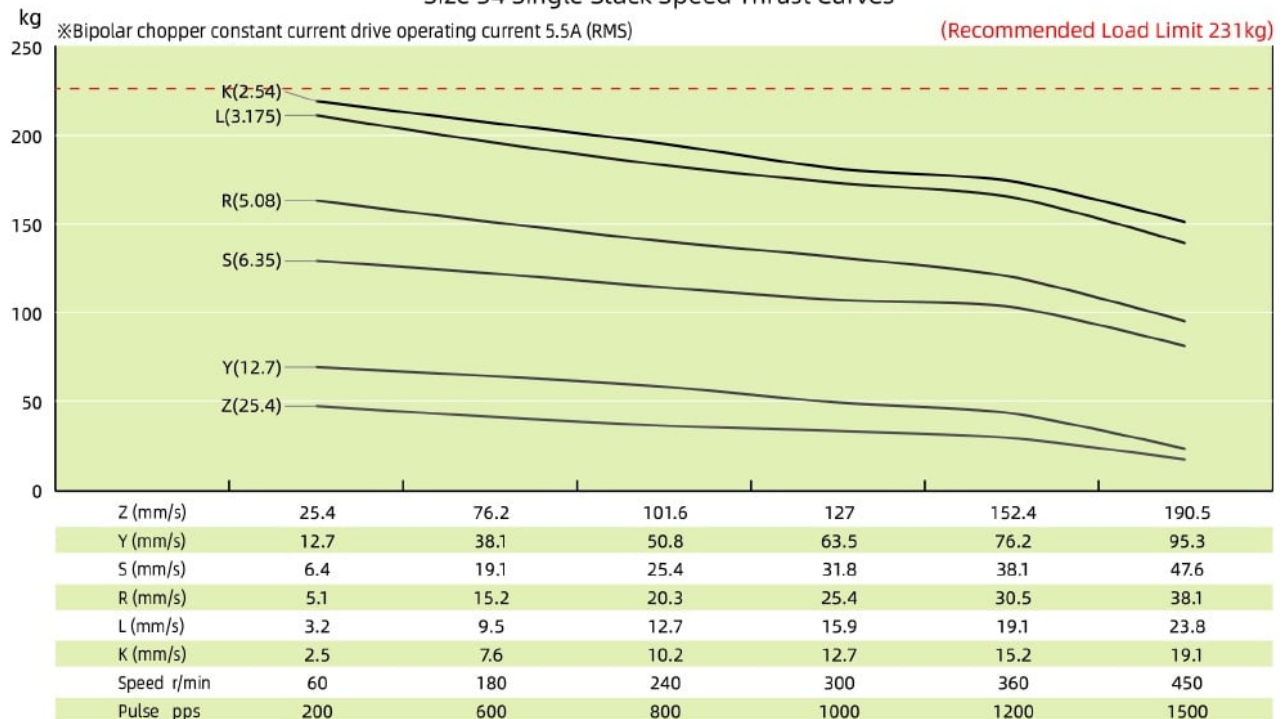
Size 34 Single Stack Speed Thrust Curves



TEST CONDITION

Testing Voltage: 40Vdc, Driver Model: DS-OLS8-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

Size 34 Single Stack Speed Thrust Curves



TEST CONDITION

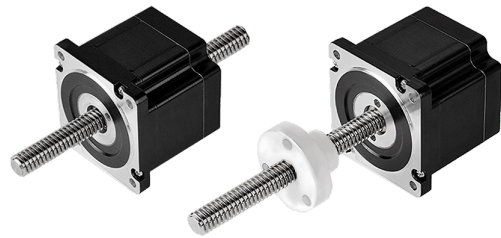
Testing Voltage: 48Vdc, Driver Model: DS-OLS8-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

34-2113

Size 34 [86mm] Stepper Lead Screw Linear Actuator is our biggest in size, and can provide up to 2270N of continuous thrust. Size 34 Stepper Lead Screw Linear Actuator has two form factors available - External and Non-Captive



<https://www.kocomotion.de/produkt/34-2113/>



Specification	
Voltage	12 V
Current	1.3 A
Resistance	9.2 Ω
Inductance	71 mH
Weight	2370 g
Lead Wire No.	4
Motor Length	76 mm
Size	34 Nema
Flange size	86 mm

Optionen

Encoder

- EK3

Stacks

- Single Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

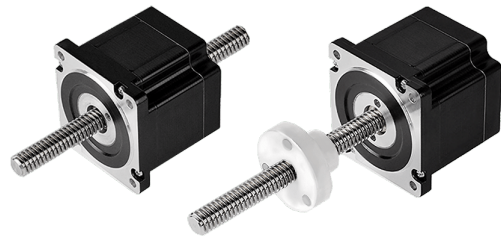
- Teflon Coating

34-2130

Size 34 [86mm] Stepper Lead Screw Linear Actuator is our biggest in size, and can provide up to 2270N of continuous thrust. Size 34 Stepper Lead Screw Linear Actuator has two form factors available - External and Non-Captive



<https://www.kocomotion.de/produkt/34-2130/>



Specification	
Voltage	5.7 V
Current	3 A
Resistance	1.9 Ω
Inductance	15 mH
Weight	2370 g
Lead Wire No.	4
Motor Length	76 mm
Size	34 Nema
Flange size	86 mm

Optionen

Encoder

- EK3

Stacks

- Single Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

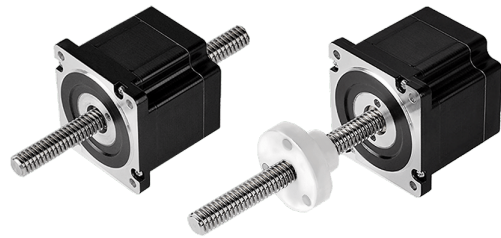
- Teflon Coating

34-2155

Size 34 [86mm] Stepper Lead Screw Linear Actuator is our biggest in size, and can provide up to 2270N of continuous thrust. Size 34 Stepper Lead Screw Linear Actuator has two form factors available - External and Non-Captive



<https://www.kocomotion.de/produkt/34-2155/>



Specification	
Voltage	2.85 V
Current	5.5 A
Resistance	0.52 Ω
Inductance	4.5 mH
Weight	2370 g
Lead Wire No.	4
Motor Length	76 mm
Size	34 Nema
Flange size	86 mm

Optionen

Encoder

- EK3

Stacks

- Single Stack

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

Teflon Coating

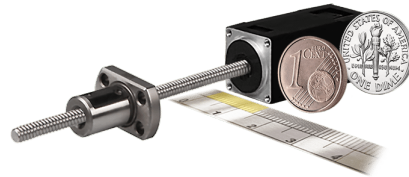
- Teflon Coating

SBSLA - Size 6 [14mm]

The size 6 is our smallest Stepper Ball Screw Linear Actuators. External version is available. Various screw end machining and encoder options are available.



<https://www.kocomotion.de/produkt/sbsla-size-6-14mm/>



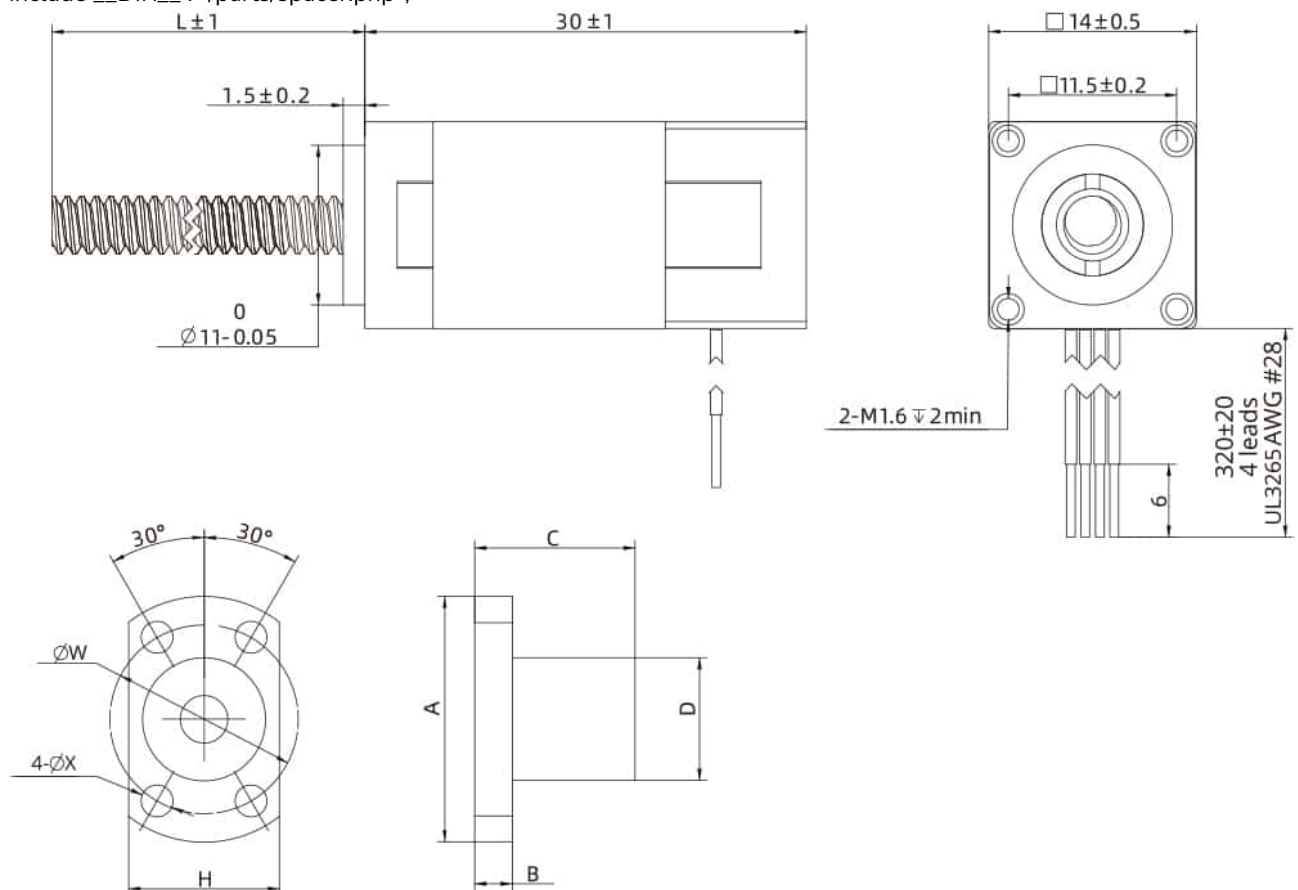
Produkte:

6E2103

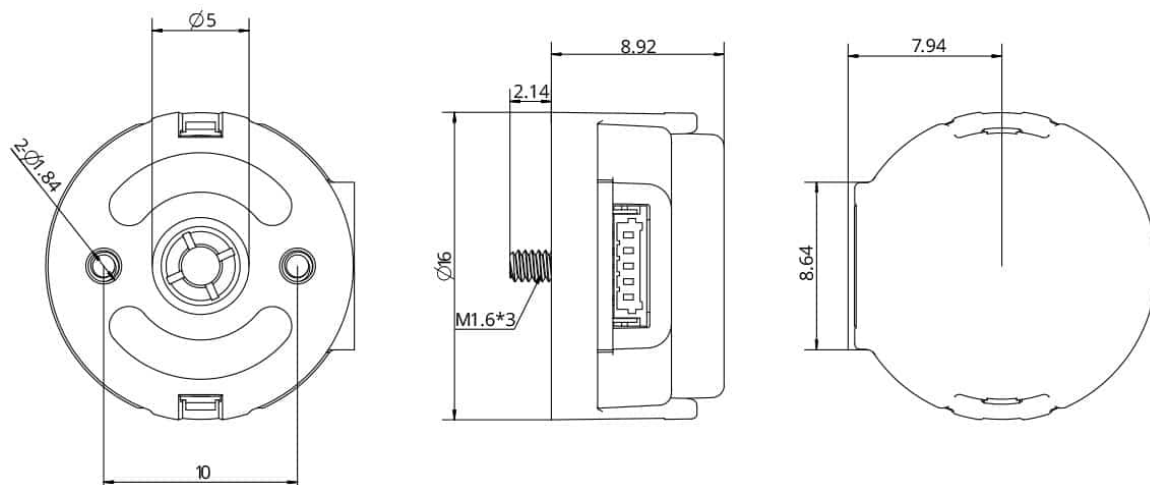
Seite

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include __DIR__ . "/parts/spacer.php";

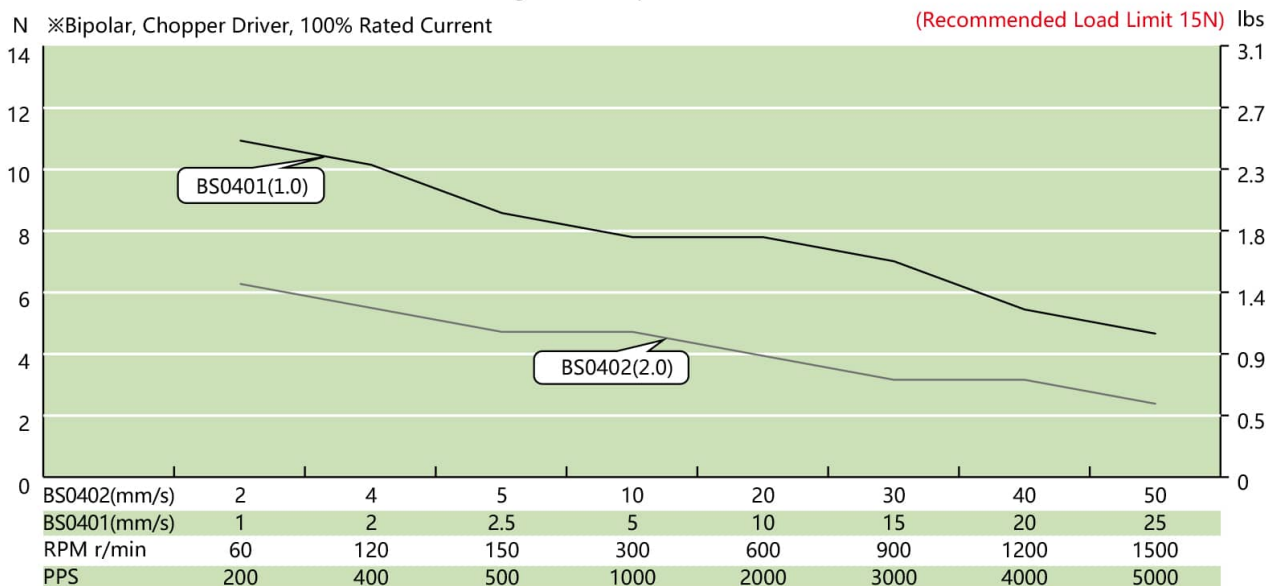


© KOCO MOTION GmbH 2024-12-11 09:10:45 Technische und optische Änderungen vorbehalten.



EK6 Encoder

Size 6 Single Stack Speed Thrust Curves

**TEST CONDITION**

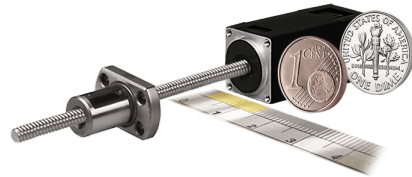
Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

6E2103

The size 6 is our smallest Stepper Ball Screw Linear Actuators. External version is available. Various screw end machining and encoder options are available.



<https://www.kocomotion.de/produkt/6e2103/>



Specification	
Voltage	6.6 V
Current	0.3 A
Resistance	22 Ω
Inductance	3.6 mH
Lead Wire No.	4
Motor Length	30 mm
Size	6 Nema
Flange size	14 mm

Optionen

Encoder

- EK6

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

SBSLA - Size 17 [42mm]

The size 17 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.

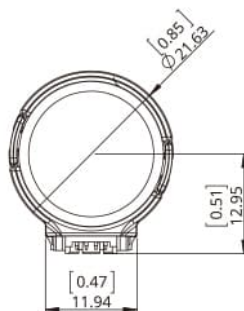
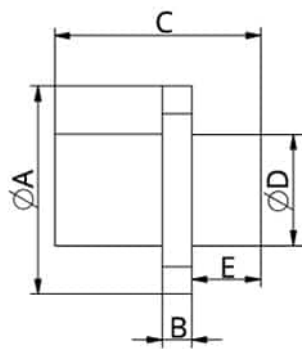
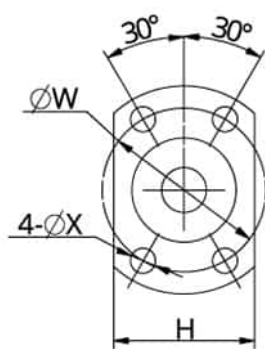
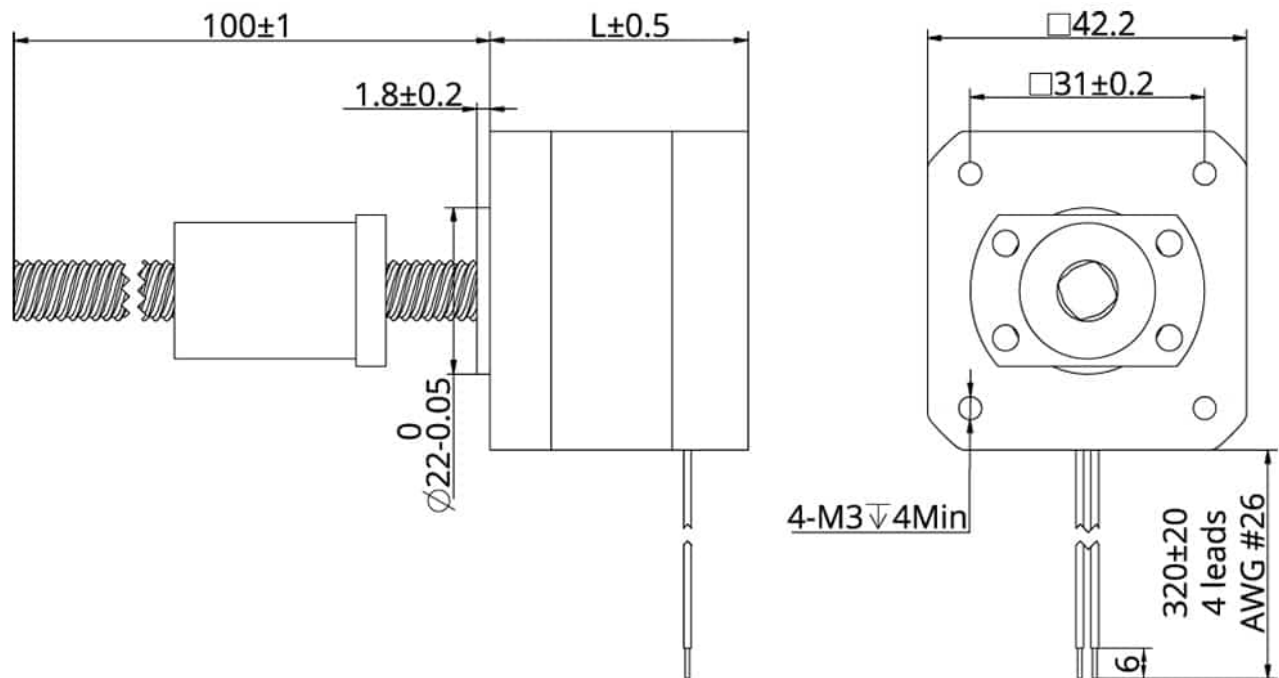


<https://www.kocomotion.de/produkt/sbsla-size-17-42mm/>

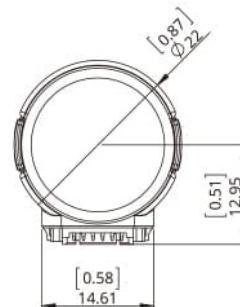
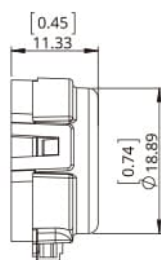


Produkte:	Seite
17E2110	178
17E2115	179
17E2212	180
17E2225	181

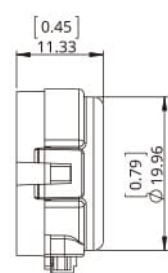
include __DIR__ . "/parts/spacer.php";

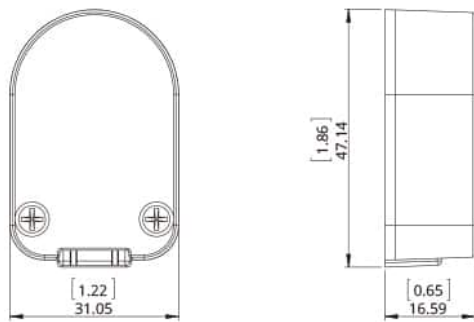


EK1 Encoder - Single ended output

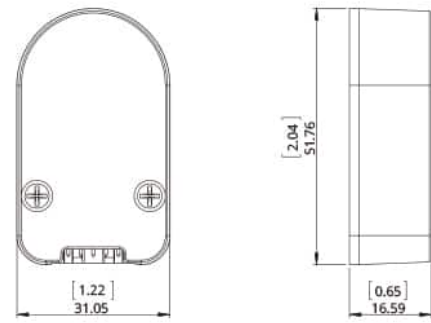


EK1 Encoder - Differential output

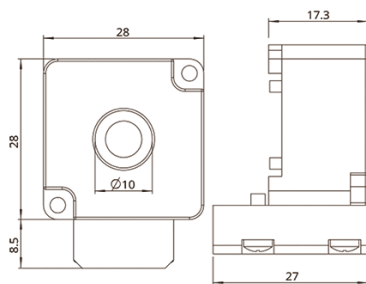




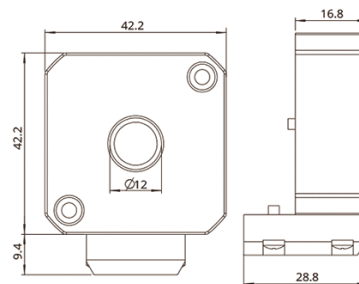
EK2 Encoder - Single ended output



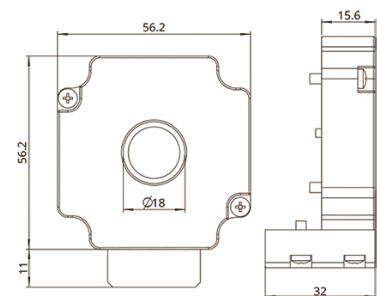
EK2 Encoder - Differential output



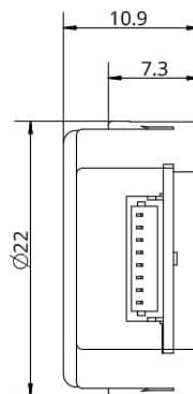
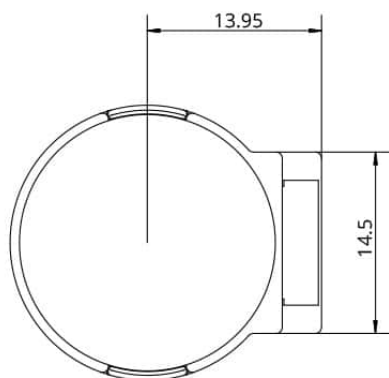
EK4 Encoder 11



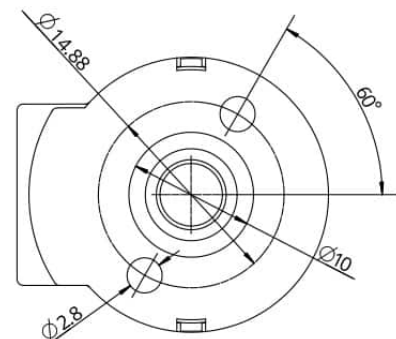
EK4 Encoder 17



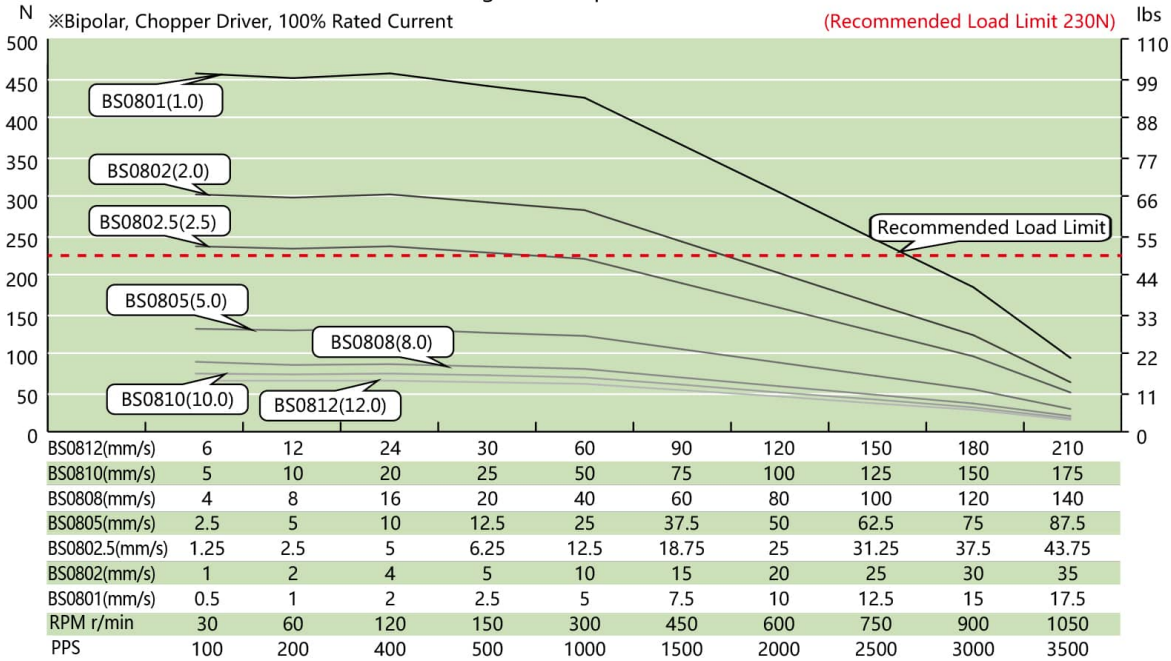
EK4 Encoder 23



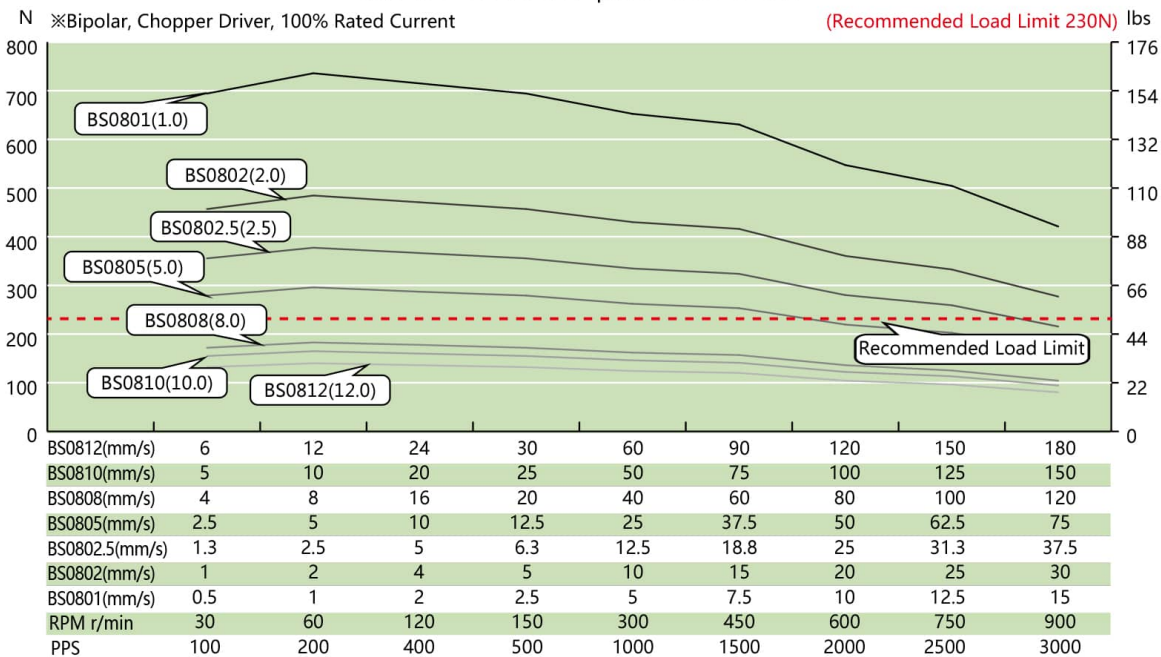
EK5 Encoder



Size 17 Single Stack Speed Thrust Curves



Size 17 Double Stack Speed Thrust Curves

**TEST CONDITION**

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms). Motor's thrust will be changed with different voltage and driver. 50% thrust margin is recommended.

17E2110

The size 17 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/17e2110-2/>



Specification	
Voltage	3.8 V
Current	1.0 A
Resistance	3.8 Ω
Inductance	5 mH
Motor Length	34.1 mm
Lead Wire No.	4
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

17E2115

The size 17 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/17e2115-2/>



Specification	
Voltage	2.78 V
Current	1.5 A
Resistance	1.85 Ω
Inductance	2.2 mH
Motor Length	34.1 mm
Lead Wire No.	4
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

17E2212

The size 17 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/17e2212-2/>



Specification	
Voltage	4.56 V
Current	1.2 A
Resistance	3.8 Ω
Inductance	8.0 mH
Motor Length	48.1 mm
Lead Wire No.	4
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize

17E2225

The size 17 External Stepper Ball Screw Linear Actuator. Various screw end machining, encoders and power-off brake options are available.



<https://www.kocomotion.de/produkt/17e2225-2/>



Specification	
Voltage	2.5 V
Current	2.5 A
Resistance	1.0 Ω
Inductance	1.8 mH
Motor Length	48.1 mm
Lead Wire No.	4
Size	17 Nema
Flange size	42 mm

Optionen

Encoder

- EK1
- EK2
- EK4
- EK5

Screw End Machining

- Threaded End
- Smooth End
- None
- Customize



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