

DINGS'

Precision Motion Specialist

DMP SERIES PRODUCT CATALOG

Jiangsu DINGS' Intelligent Control Technology Co., Ltd.





Founded in 2008, Jiangsu DINGS' Intelligent Control Technology Co., Ltd. is guided by the philosophy,
"Quality stems from responsibility, and details determine success."

As a global leader in precision linear motion, DINGS' delivers a comprehensive portfolio of precision stepper, DC and BLDC motors, voice coil motors, lead and ball screw linear actuators, PMSM motors for eco-mobility, and advanced motion controllers — setting new benchmarks in the global motion control market.

SCALE

300+ Advanced Machining Equipment



40+ Automated Assembly Lines



100+ Precision Testing & Analysis Systems



140+ Patents & Intellectual Properties



GROWTH

2008	Company Founded & DINGS' Brand Established
2010	DINGS' Motion USA Established
2016	DINGS' Korea Established
2019	Joined LEILI Group
2021	Changzhou Intelligent Manufacturing Plant Established Listed on China NEEQ Market
2022	Korea R&D Center Established
2023	Listed on Beijing Stock Exchange [Stock Code: 920593] DINGS' Korea Converted to Corporate Entity DINGS' Japan Established
2024	New Headquarters & Plant Established DINGS' Motion Europe Established
2025	Thailand Manufacturing Facility Established

CERTIFICATIONS



PRODUCT WARRANTY

Warranty period: 1 year from shipment.
 Free repair is provided for defects in materials or workmanship under normal use.

Warranty does not apply to:

- Warranty expiration or damaged/lost nameplates
- Improper installation or operating conditions
- Unauthorized disassembly or modification
- Repairs conducted outside of official service channels
- Force majeure, including natural disasters

DINGS' is committed to quality, reliability, and responsibility
 — delivering high-performance motion solutions built on precision engineering.

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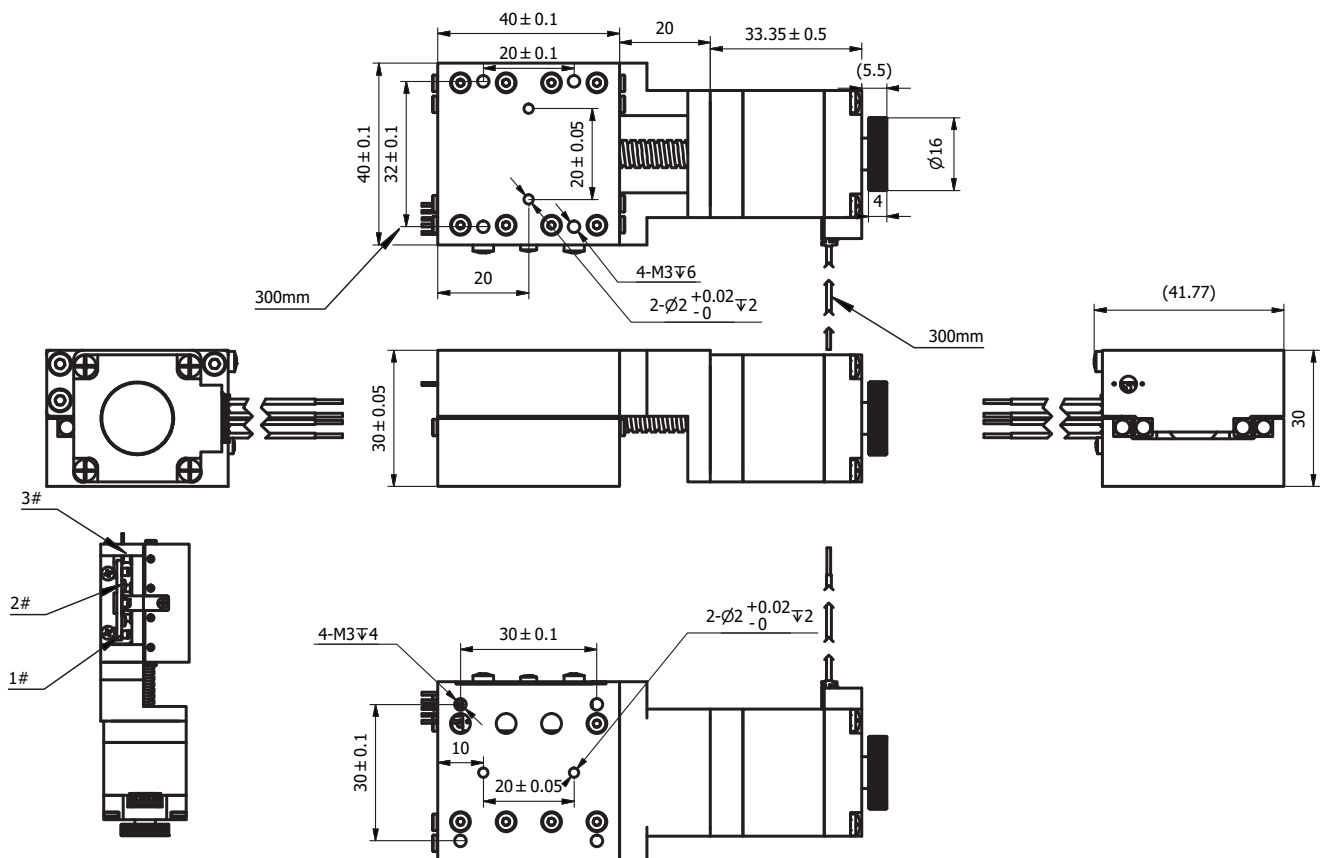


DMP 15

Motor Characteristics

Motor part number	DMP15-11E2110BS14-4040-110	
Phase	-	2
Step angle	°	1.8
Rated current/phase	A(RMS)	1
Resistance/phase	Ω	2.1±10%
Inductance/phase	mH	1.5±20%
Linear travel per step	mm/step	0.005
Ball screw diameter	mm	Φ6
Ball screw lead	mm	1
Grade	-	C5(DY)
Insulation class	-	B
Insulation resistance	MΩ	100(500VDC)
Heat rise	°C	80
Stroke	mm	15
Axial clearance of ballscrew	mm	0.005
Operating Temp	°C	0-40, No condensation

Dimensional Drawings



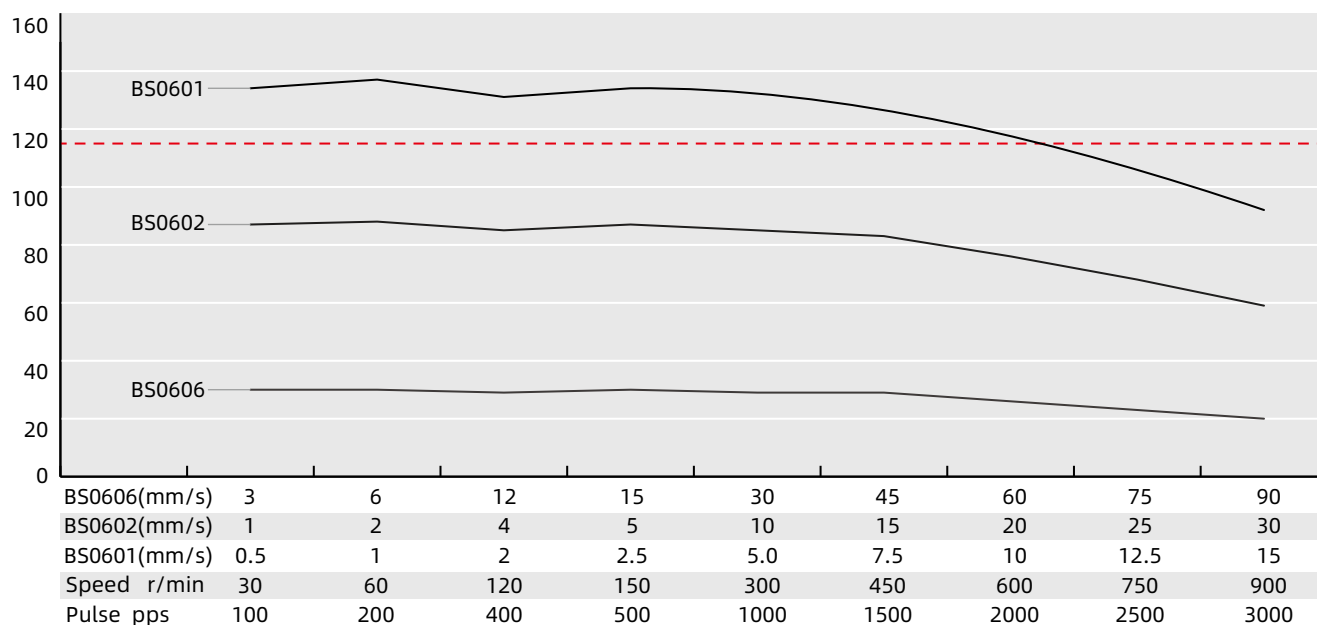
For customized options, please contact DINGS' or your local distributor

Speed Thrust Curves

Size 11 Single Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

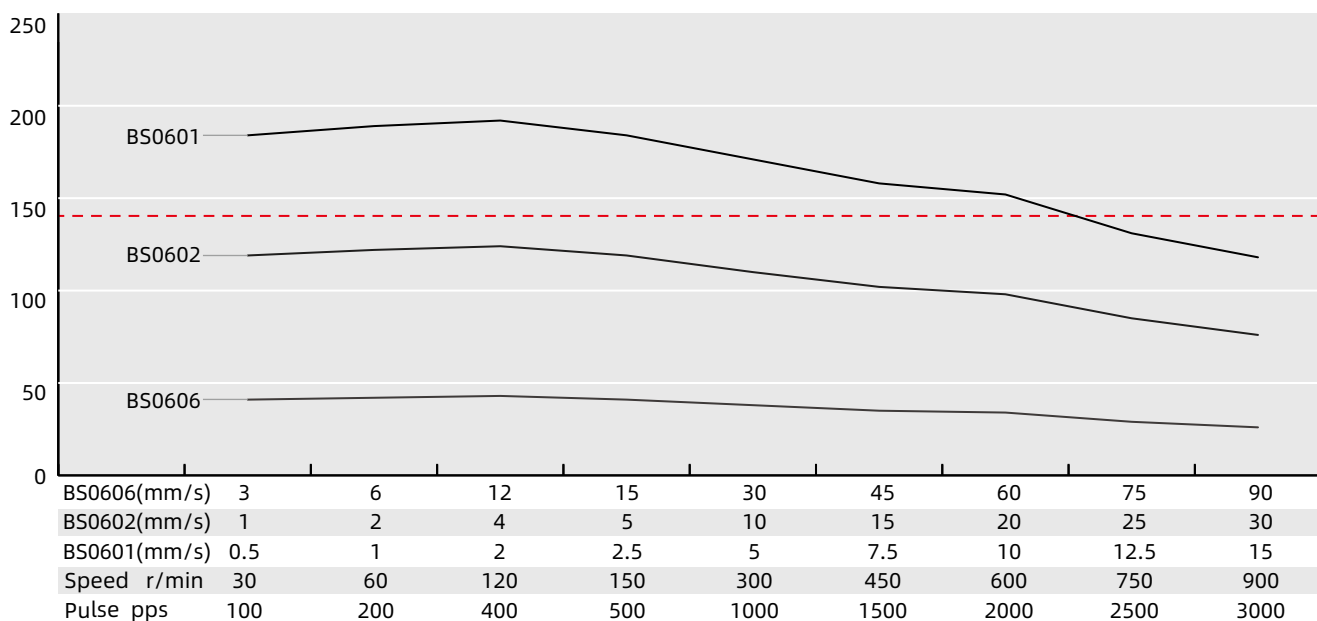
(Recommended Load Limit 115N)



Size 11 Double Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

(Recommended Load Limit 140N)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).

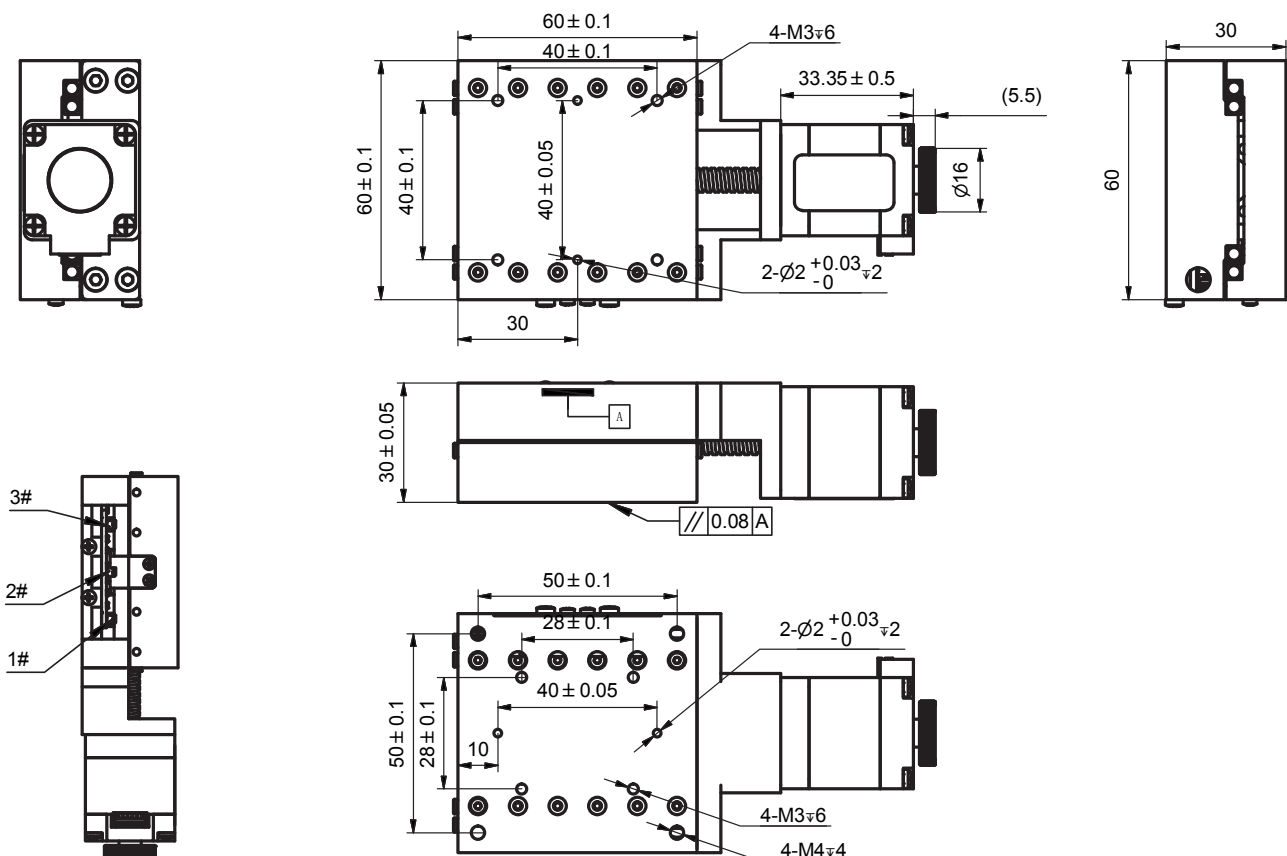
Motor thrust may vary depending on voltage and driver conditions. 50% thrust margin is recommended.

DMP 20

Motor Characteristics

Motor part number	DMP20-11E2110BS14-6060-110	
Phase	-	2
Step angle	°	1.8
Rated current/phase	A(RMS)	1
Resistance/phase	Ω	2.1±10%
Inductance/phase	mH	1.5±20%
Linear travel per step	mm/step	0.005
Ball screw diameter	mm	Φ6
Ball screw lead	mm	1
Grade	-	C5(DY)
Insulation class	-	B
Insulation resistance	MΩ	100(500VDC)
Heat rise	°C	80
Stroke	mm	20
Axial clearance of ballscrew	mm	0.005
Operating Temp	°C	0-40, No condensation

Dimensional Drawings



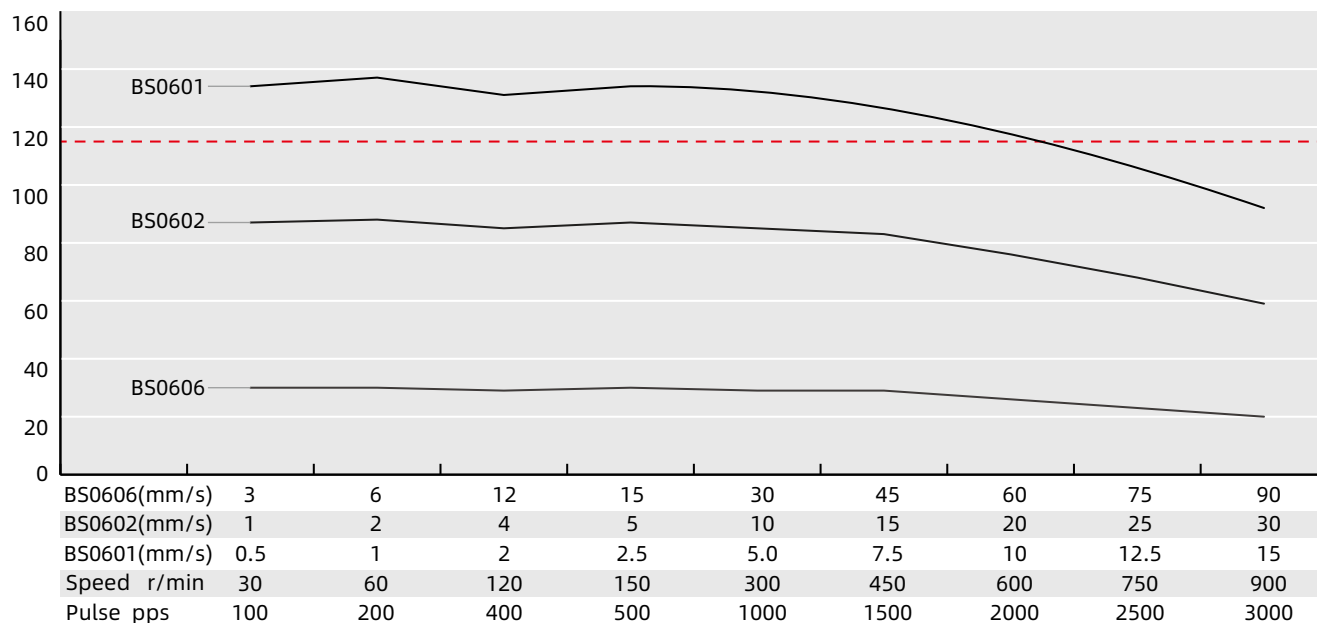
For customized options, please contact DINGS' or your local distributor

Speed Thrust Curves

Size 11 Single Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

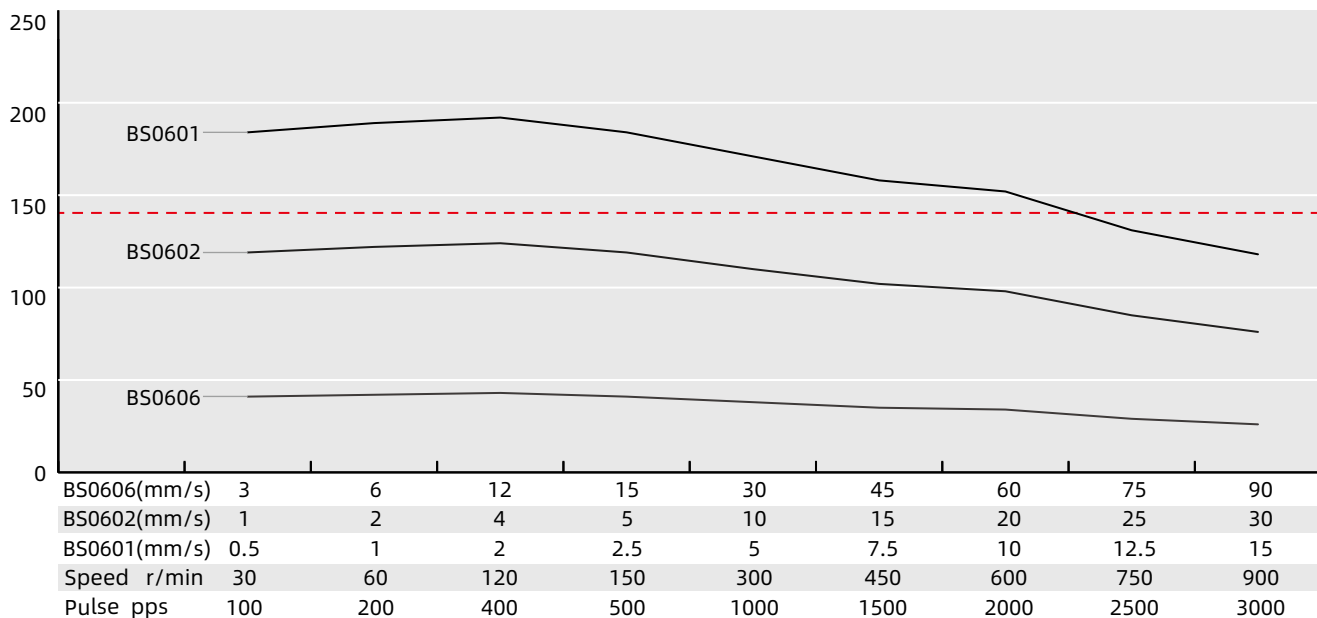
(Recommended Load Limit 115N)



Size 11 Double Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

(Recommended Load Limit 140N)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).

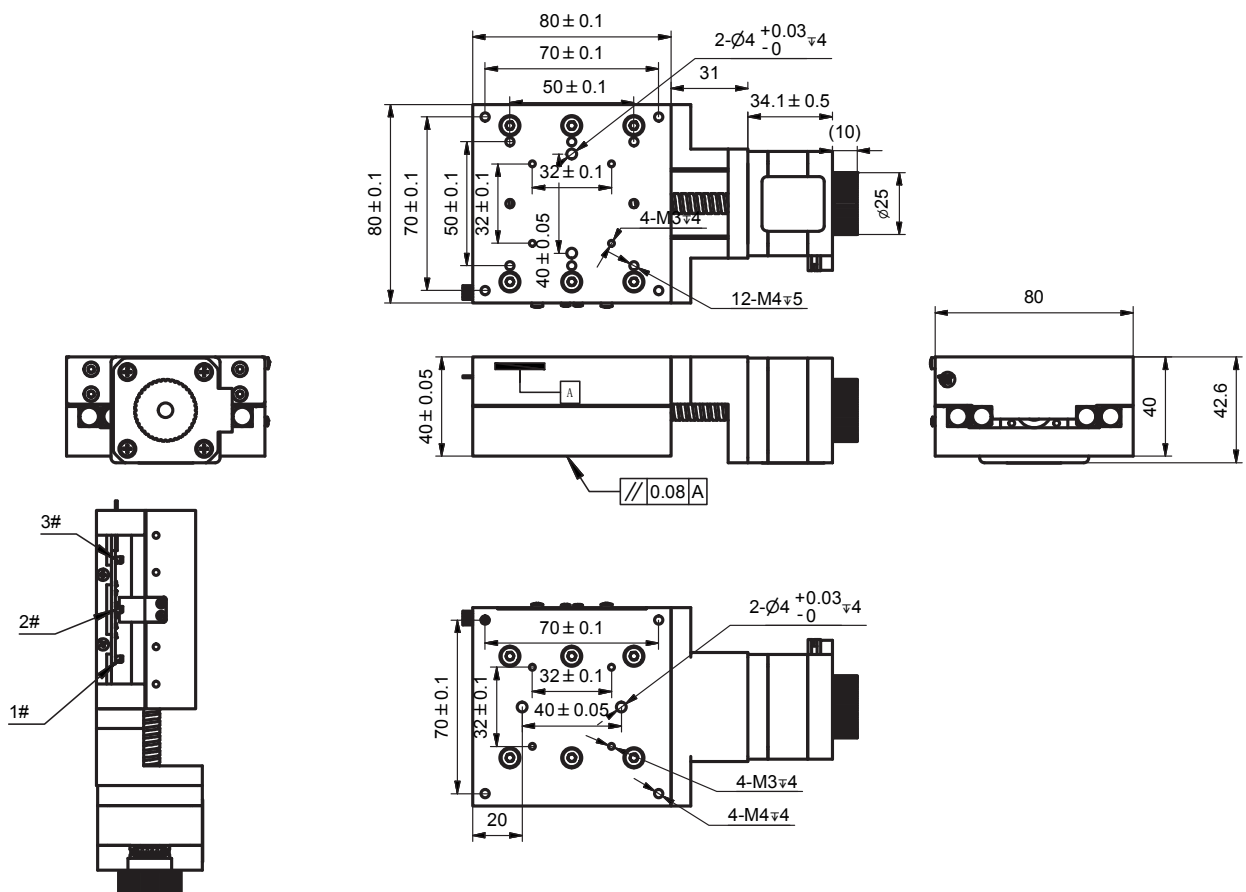
Motor thrust may vary depending on voltage and driver conditions. 50% thrust margin is recommended.

DMP 30

Motor Characteristics

Motor part number	DMP30-17E2115BS24-8080-110	
Phase	-	2
Step angle	°	1.8
Rated current/phase	A(RMS)	1.5
Resistance/phase	Ω	1.9±10%
Inductance/phase	mH	2.2±20%
Linear travel per step	mm/step	0.01
Ball screw diameter	mm	Φ8
Ball screw lead	mm	2
Grade	-	C5(DY)
Insulation class	-	B
Insulation resistance	MΩ	100(500VDC)
Heat rise	°C	80
Stroke	mm	30
Axial clearance of ballscrew	mm	0.005
Operating Temp	°C	0-40, No condensation

Dimensional Drawings



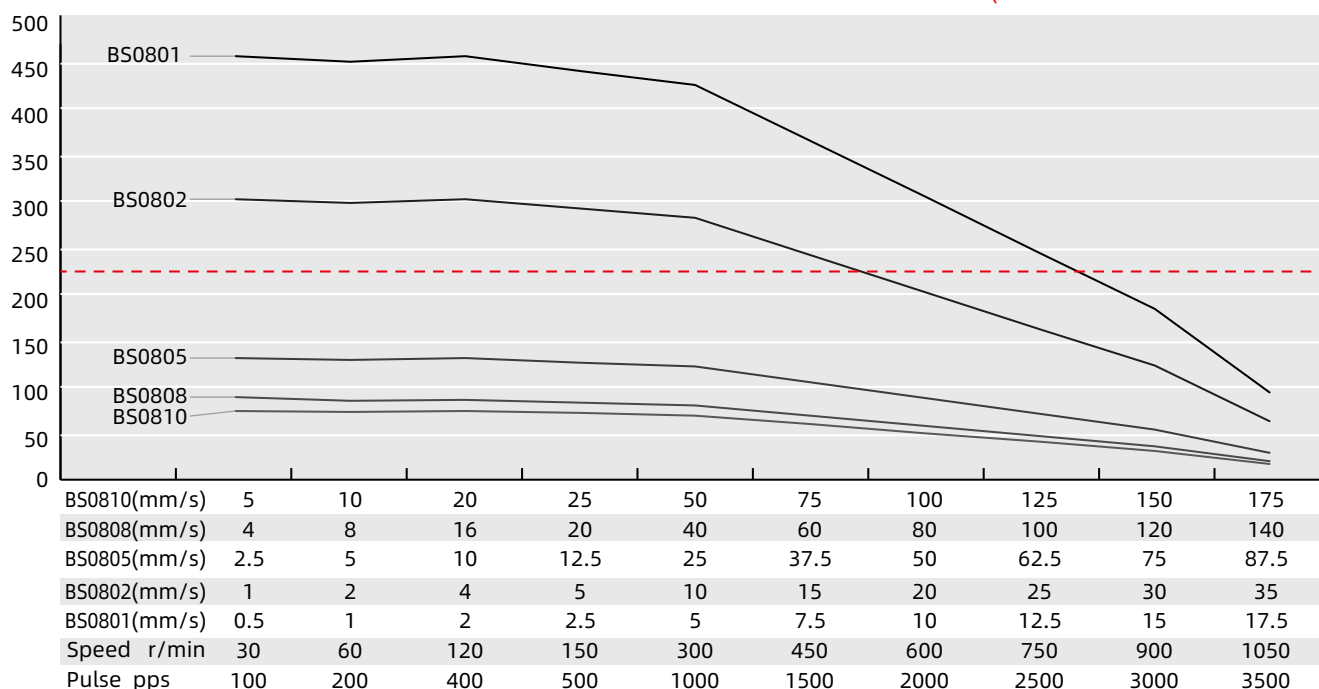
For customized options, please contact DINGS' or your local distributor

Speed Thrust Curves

Size 17 Single Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

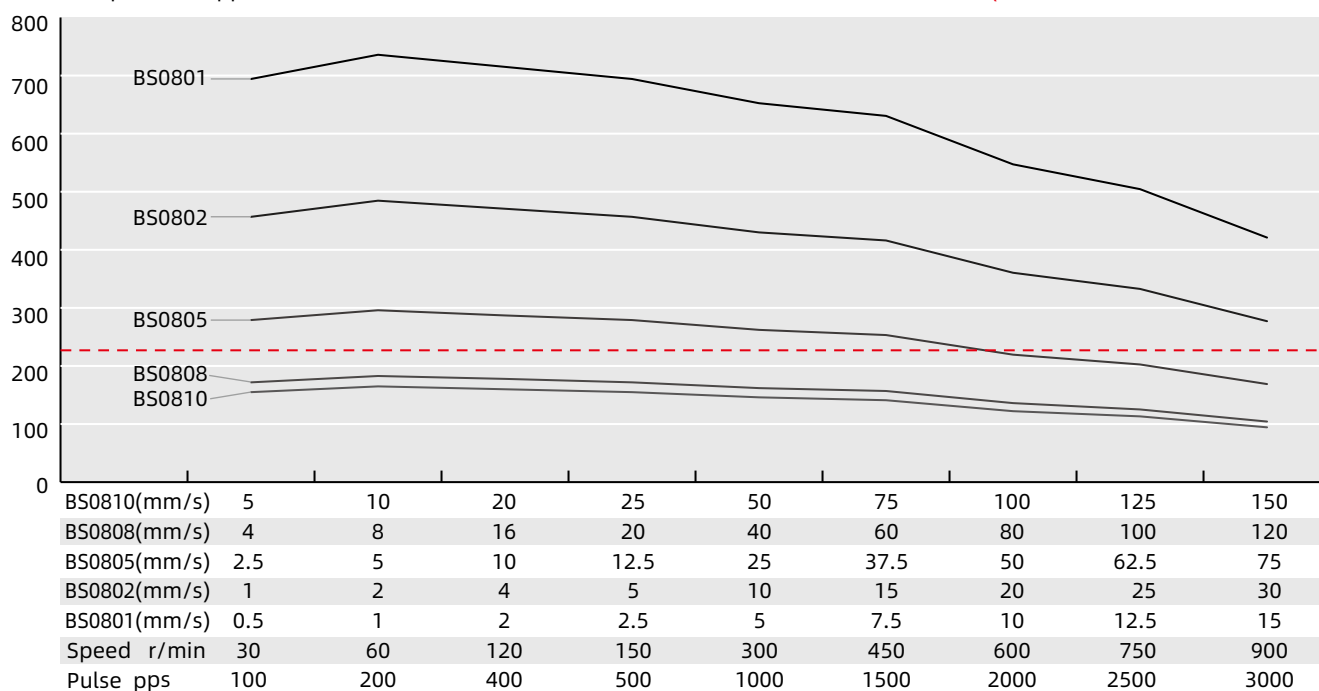
(Recommended Load Limit 230N)



Size 17 Double Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

(Recommended Load Limit 230N)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).

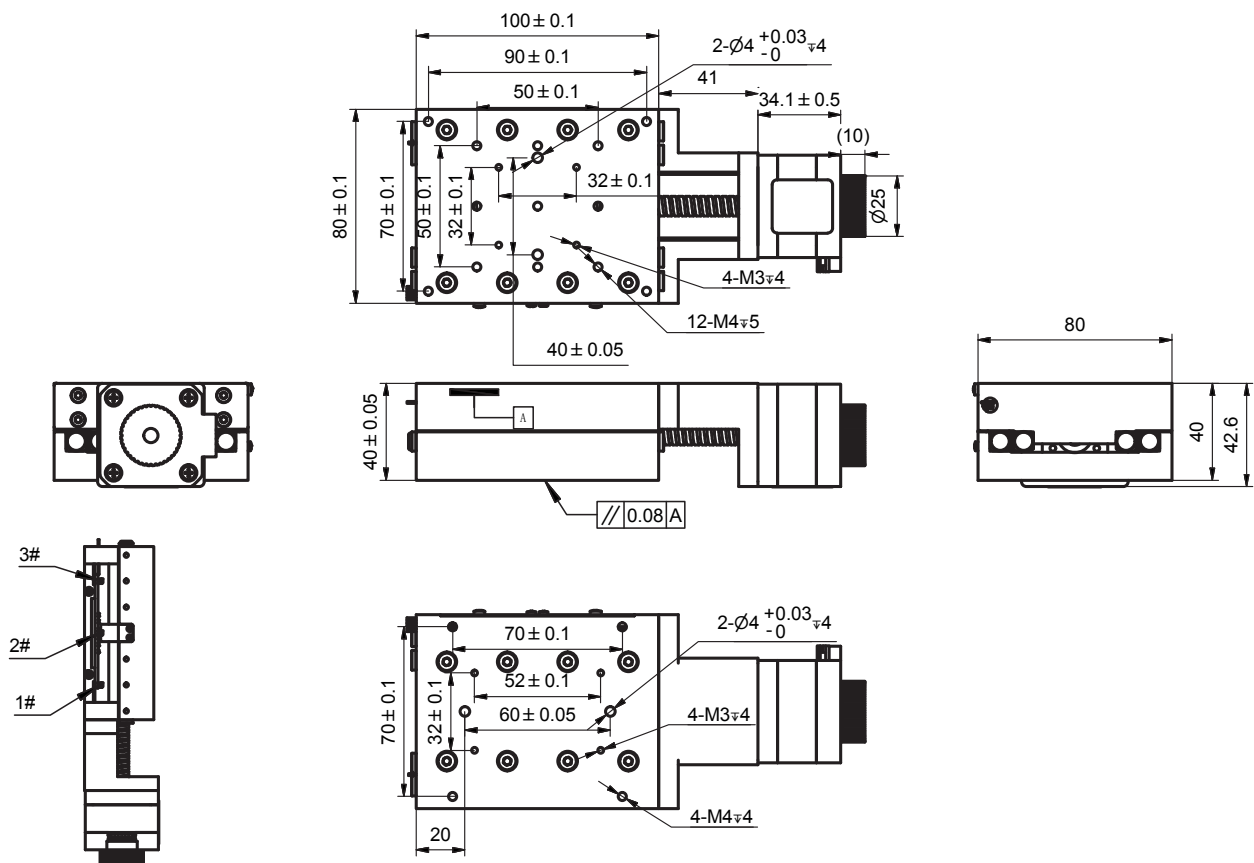
Motor thrust may vary depending on voltage and driver conditions. 50% thrust margin is recommended.

DMP 50

Motor Characteristics

Motor part number	DMP50-17E2115BS24-80100-110	
Phase	-	2
Step angle	°	1.8
Rated current/phase	A(RMS)	1.5
Resistance/phase	Ω	1.9±10%
Inductance/phase	mH	2.2±20%
Linear travel per step	mm/step	0.01
Ball screw diameter	mm	Φ8
Ball screw lead	mm	2
Grade	-	C5(DY)
Insulation class	-	B
Insulation resistance	MΩ	100(500VDC)
Heat rise	°C	80
Stroke	mm	50
Axial clearance of ballscrew	mm	0.005
Operating Temp	°C	0-40, No condensation

Dimensional Drawings

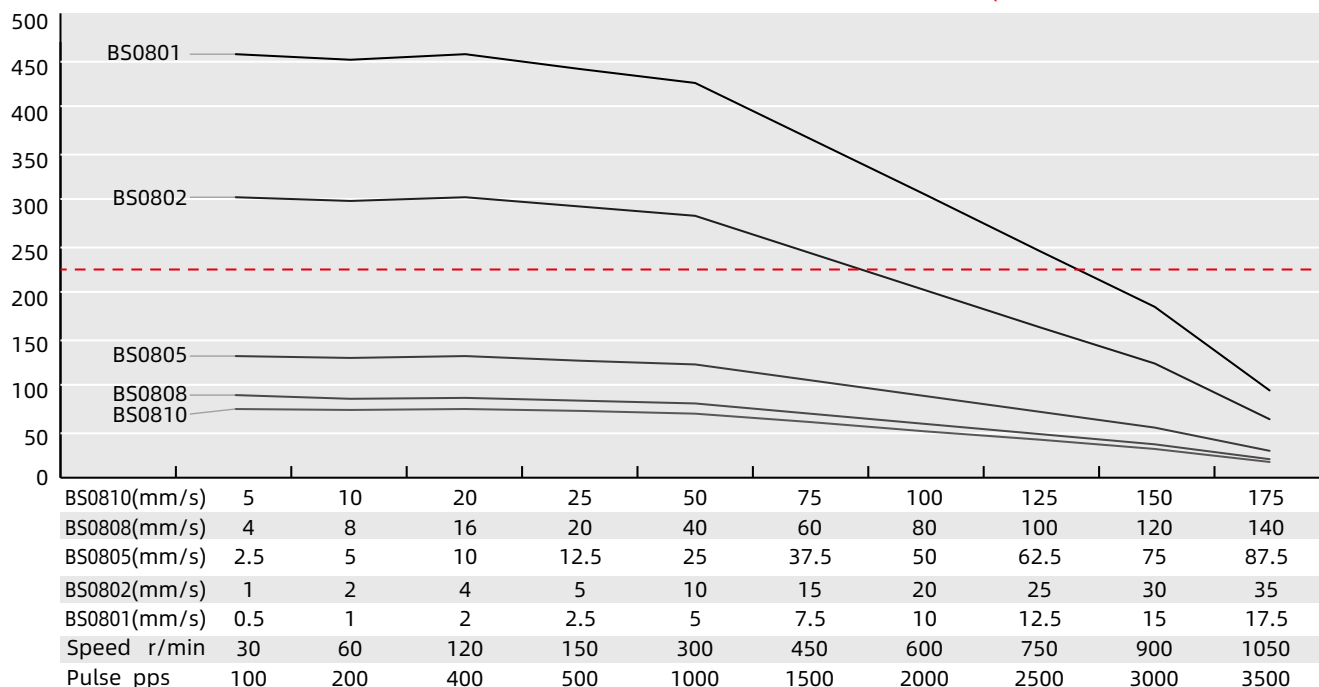


Speed Thrust Curves

Size 17 Single Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

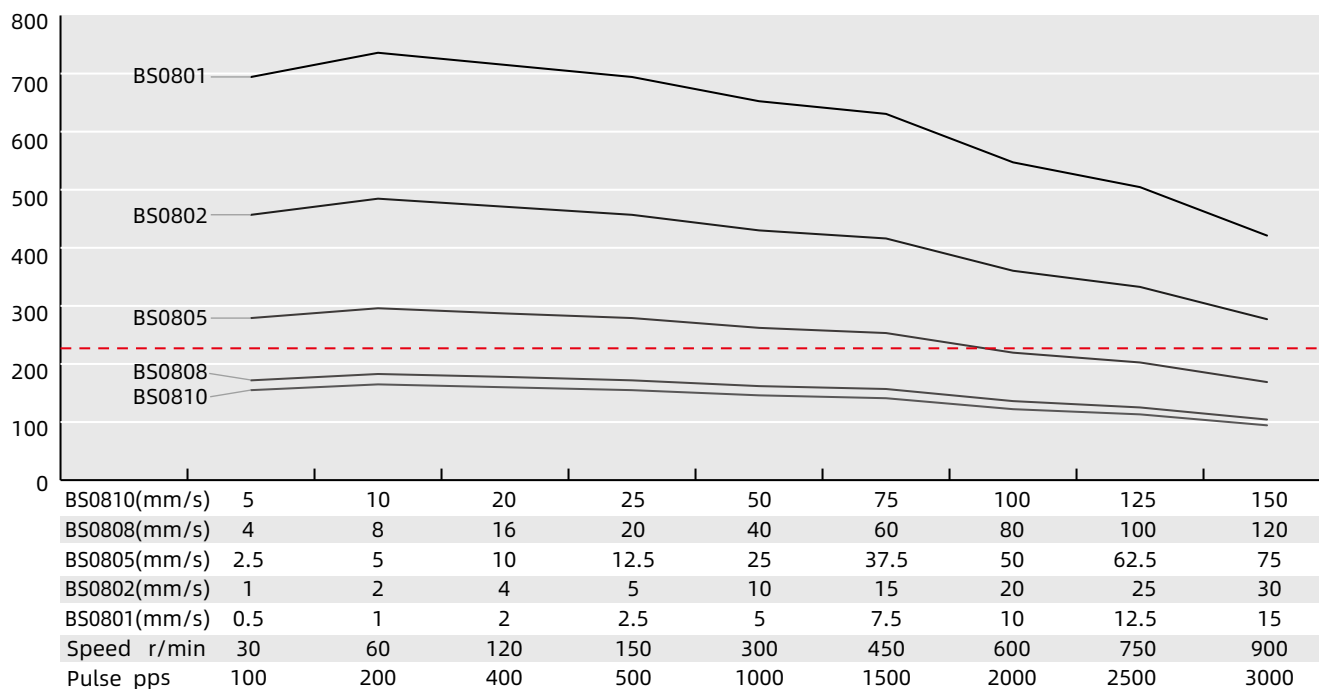
(Recommended Load Limit 230N)



Size 17 Double Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

(Recommended Load Limit 230N)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).

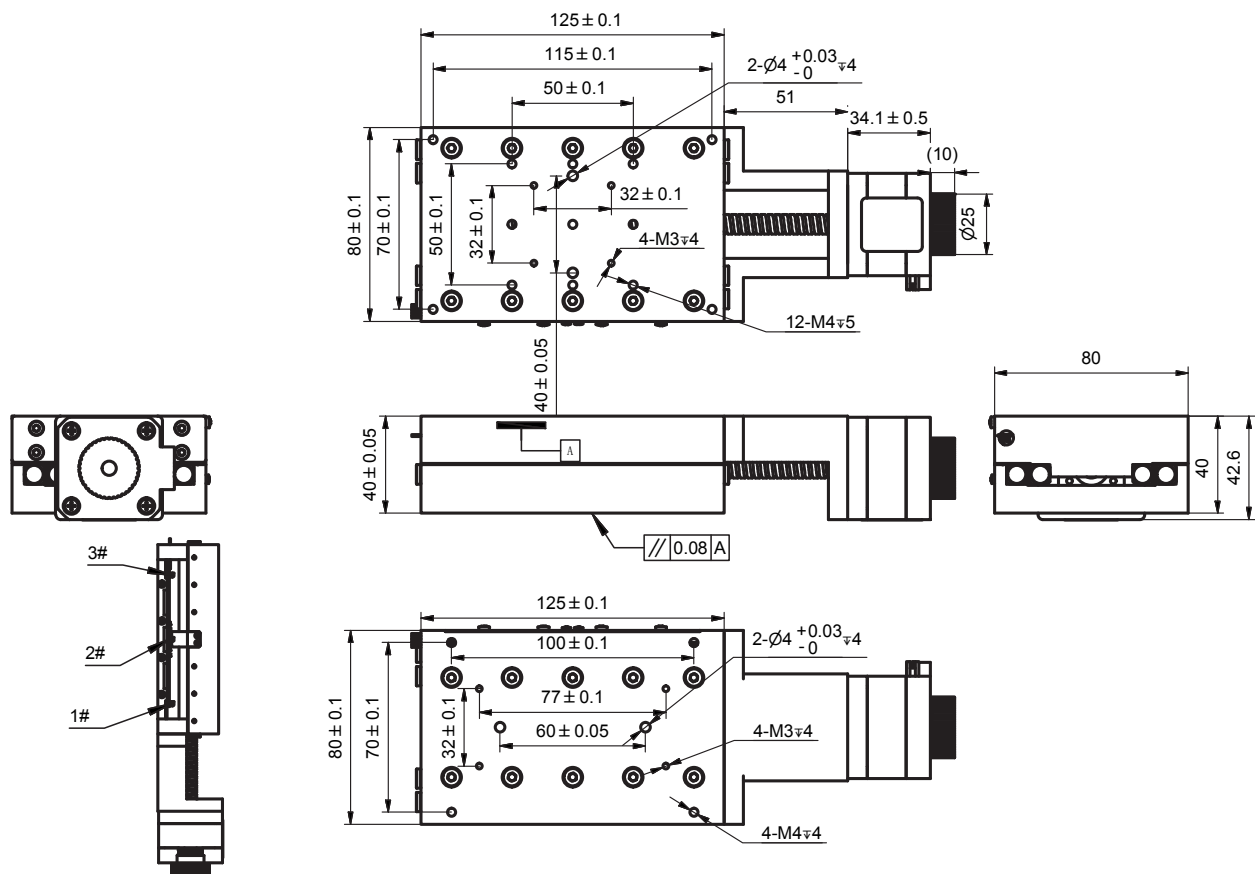
Motor thrust may vary depending on voltage and driver conditions. 50% thrust margin is recommended.

DMP 75

Motor Characteristics

Motor part number	DMP75-17E2115BS24-80125-110	
Phase	-	2
Step angle	°	1.8
Rated current/phase	A(RMS)	1.5
Resistance/phase	Ω	1.9±10%
Inductance/phase	mH	2.2±20%
Linear travel per step	mm/step	0.01
Ball screw diameter	mm	Φ8
Ball screw lead	mm	2
Grade	-	C5(DY)
Insulation class	-	B
Insulation resistance	MΩ	100(500VDC)
Heat rise	°C	80
Stroke	mm	75
Axial clearance of ballscrew	mm	0.005
Operating Temp	°C	0-40, No condensation

Dimensional Drawings



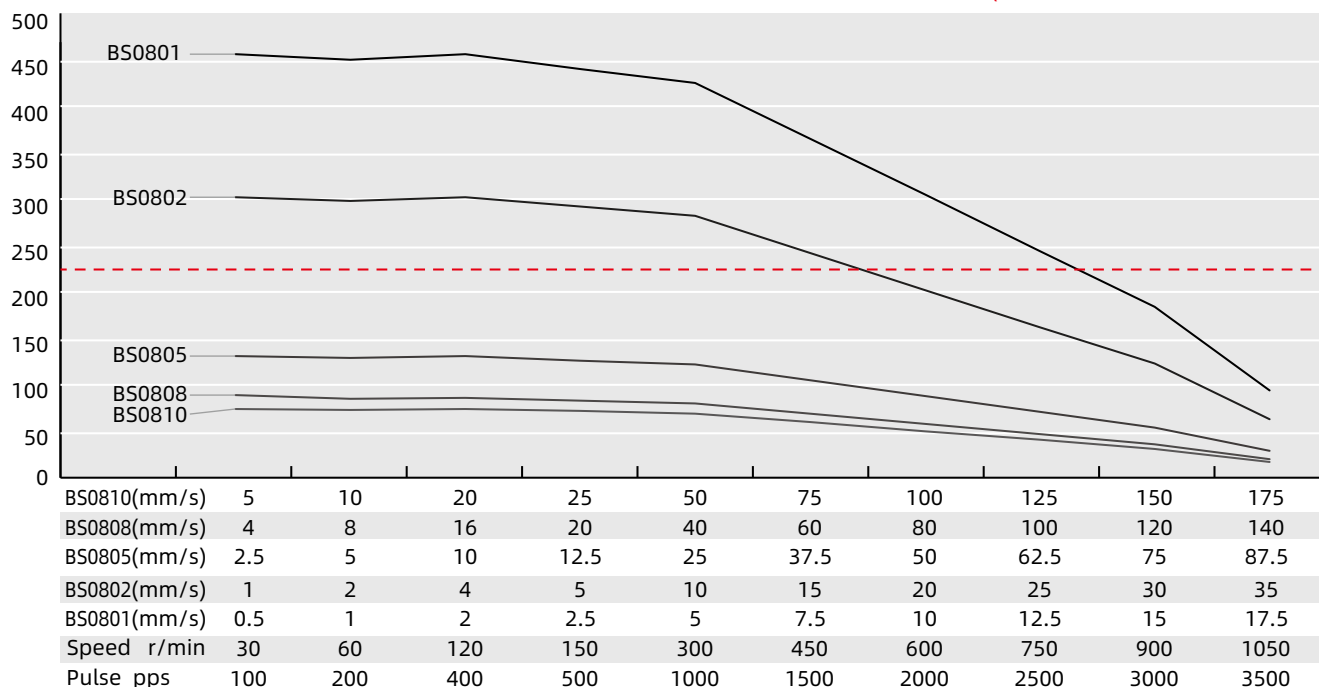
For customized options, please contact DINGS' or your local distributor

Speed Thrust Curves

Size 17 Single Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

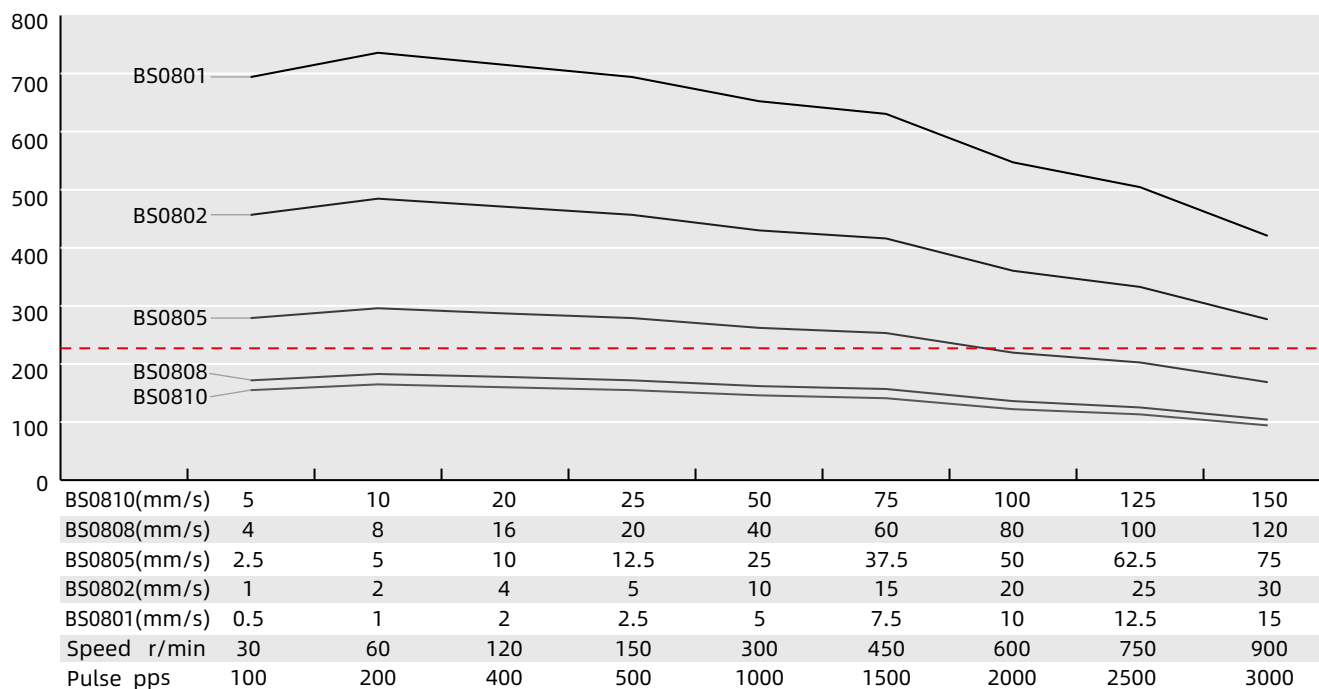
(Recommended Load Limit 230N)



Size 17 Double Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

(Recommended Load Limit 230N)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).

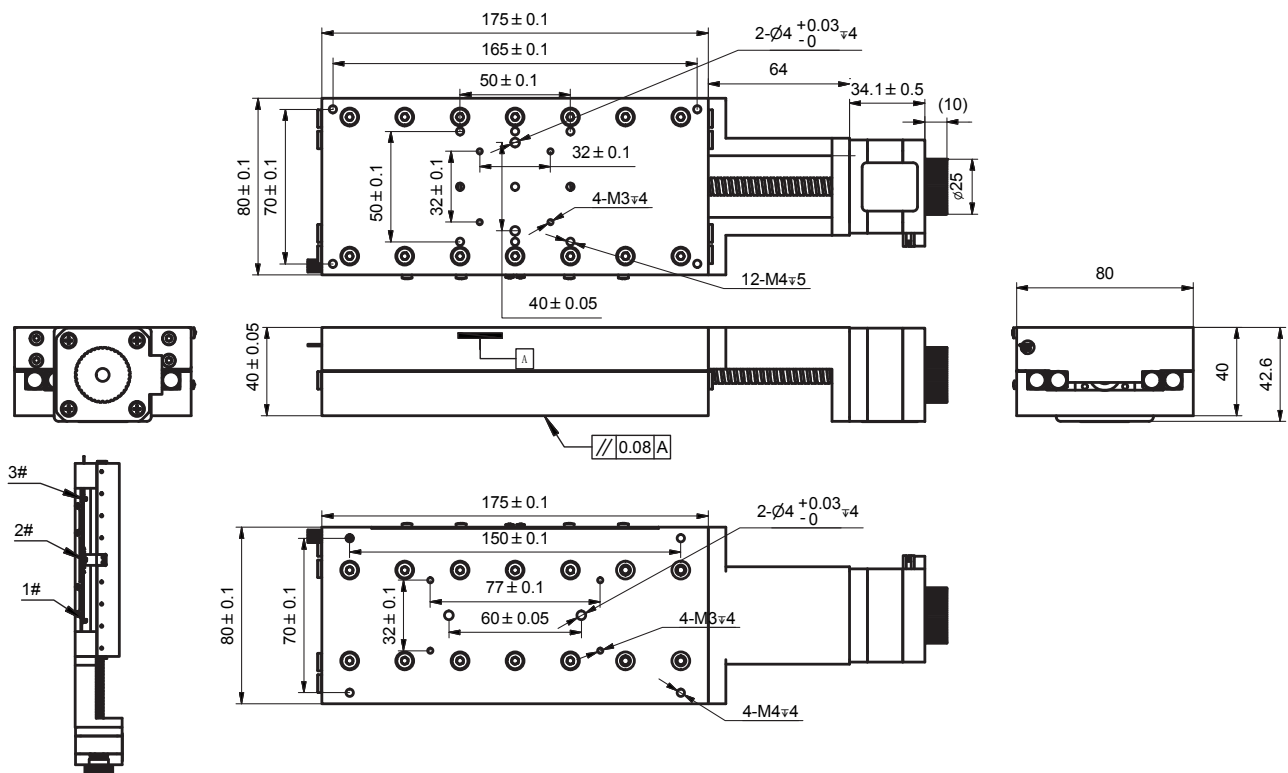
Motor thrust may vary depending on voltage and driver conditions. 50% thrust margin is recommended.

DMP 100

■ Motor Characteristics

Motor part number	DMP100-17E2115BS24-80175-110	
Phase	-	2
Step angle	°	1.8
Rated current/phase	A(RMS)	1.5
Resistance/phase	Ω	1.9±10%
Inductance/phase	mH	2.2±20%
Linear travel per step	mm/step	0.01
Ball screw diameter	mm	Φ8
Ball screw lead	mm	2
Grade	-	C5(DY)
Insulation class	-	B
Insulation resistance	MΩ	100(500VDC)
Heat rise	°C	80
Stroke	mm	100
Axial clearance of ballscrew	mm	0.005
Operating Temp	°C	0-40, No condensation

■ Dimensional Drawings

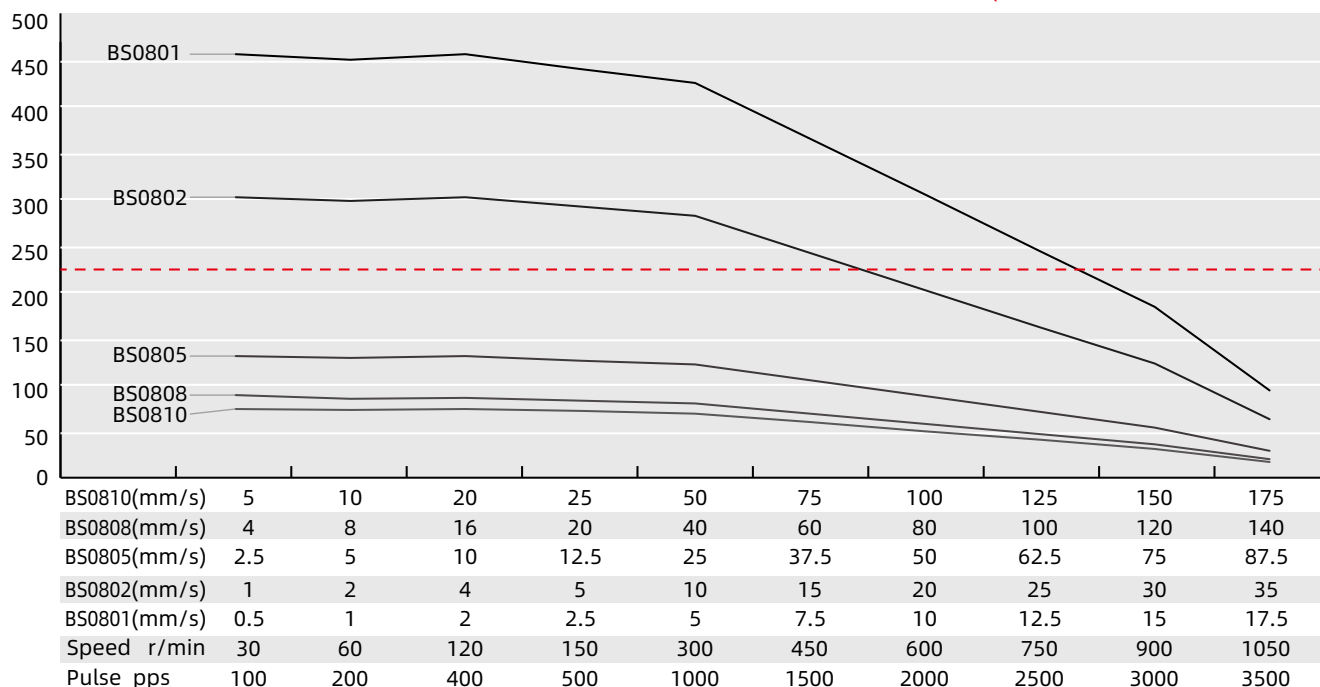


Speed Thrust Curves

Size 17 Single Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

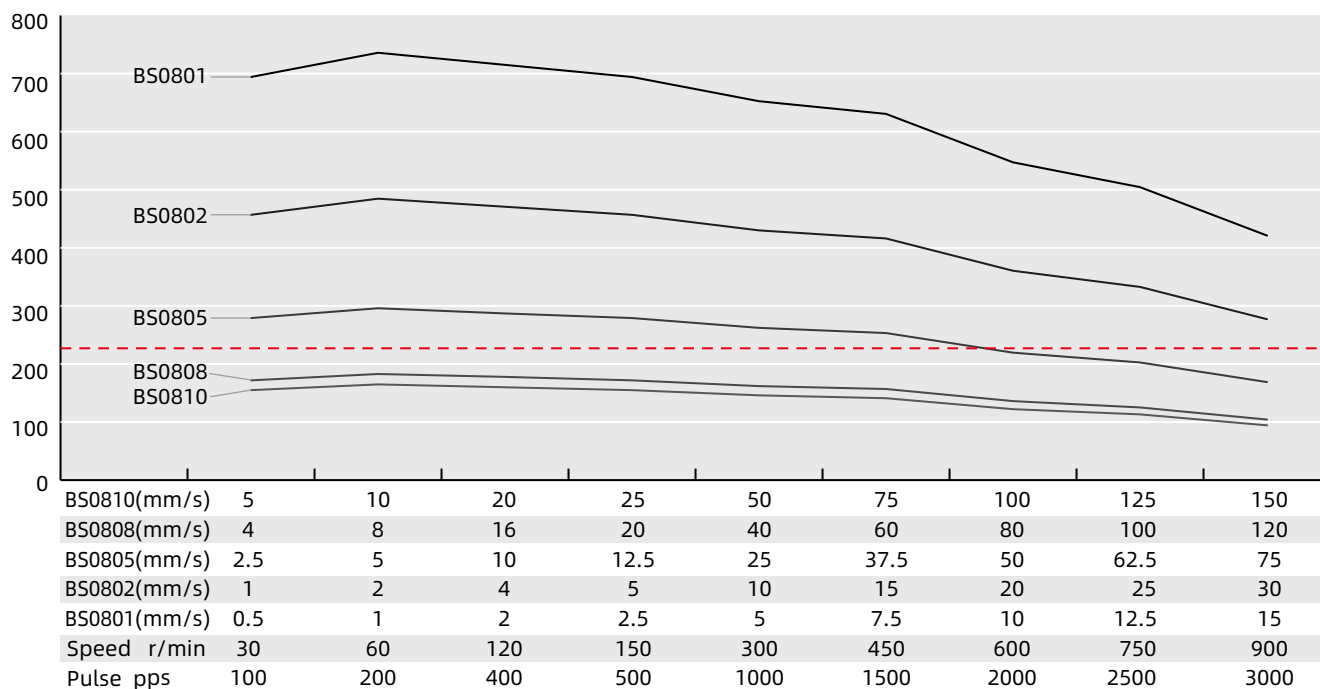
(Recommended Load Limit 230N)



Size 17 Double Stack Speed Thrust Curves

N ※ Bipolar, Chopper Driver, 100% Rated Current

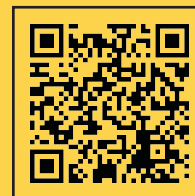
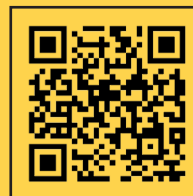
(Recommended Load Limit 230N)



TEST CONDITION

Testing Voltage: 24Vdc, Driver Model: DS-OLS2-FPD bipolar, chopper driver at rated current (rms).

Motor thrust may vary depending on voltage and driver conditions. 50% thrust margin is recommended.



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