

DINGS'

Precision Motion Specialist

CORELESS PUSH ROD ACTUATOR 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

 9001 Quality	 14001 Environmental	 45001 Health & Safety	 13485 Medical Device Quality
 ISO/IEC 17025 Laboratory Accreditation	 IATF16949 Automotive Quality	 IPMS Intellectual Property	
 CE Safety Standards	 RoHS COMPLIANT Environmental Standards - RoHS	 REACH NPS Environmental Standards - REACH	

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.

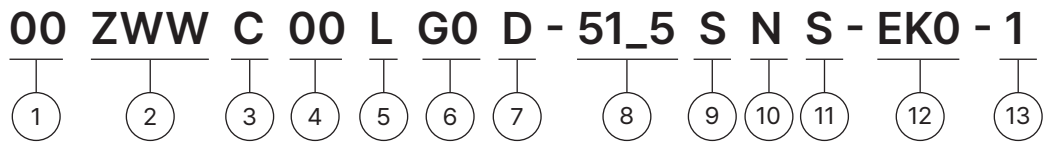
Content

CORELESS PUSH ROD ACTUATOR

Part number construction	4
8 mm	5
10 mm	6
12 mm	7
16 mm	8
22 mm	9



Part Number Construction



① Motor Size

Motor Size (mm)	8	10	12	16	22
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② Product Name

ZWW = Coreless Brushless DC Motor

③ Motor Shape

C = Circular Type

④ Motor Length

Unit : mm

When the length involves decimal points, use "." instead

⑤ Motor Casing

L = Aluminum

T = Stainless steel / Iron

⑥ Gear Ratio

00 = Gear Ratio

⑦ Lead Screw Code

Please refer to lead screw code selection table

⑧ Effective Stroke Length

⑨ Screw Surface Treatment

S = Standard (No teflon coating)

⑩ End Machining

C = Customize

N = None

⑪ Nut Style

S = Standard flange nut

⑫ Encoder

0 = Resolution

⑬ Customer Serial Number

Example

Part Number 10ZWWC25L-G18AB-16SNS-EK1024-001

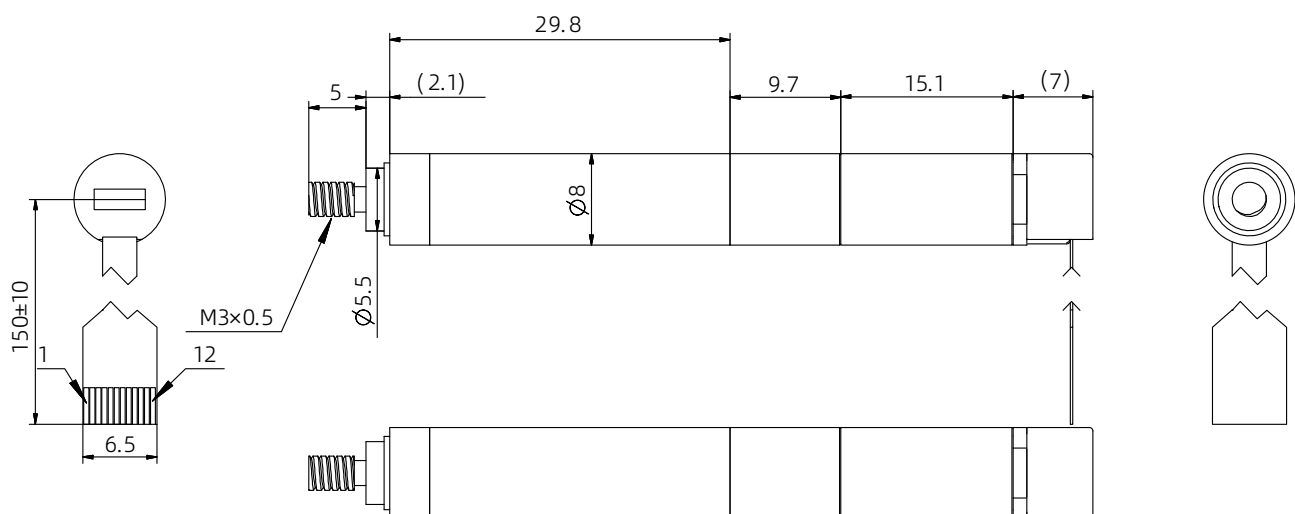
Description Motor diameter 10 mm
 Coreless Brushless DC Motor
 Motor length 25 mm
 Stainless steel housing
 Gear ratio 1:18
 AB lead
 Effective stroke 16 mm
 Customization: None
 Encoder resolution: 1024
 Custom serial number: 001



Motor Characteristics

Motor part number		8ZWWC15L
Motor size	mm	8
Rated voltage	V	12
Rated current	A	0.085
Lead screw pitch	mm	0.5
Standard stroke (customizable)	mm	15
Maximum stroke	mm	25
Maximum speed	mm/s	3.58
Rated thrust	N	25
Peak thrust (short-time)	N	50
Gear ratio	-	4, 16
Weight	g	15.7
Overall dimensions	mm	Φ8 × 68.7
Operating temperature	°C	-20 ~ +50
Repeatability	mm	±0.08
Encoder type	-	Encoder

Dimensional Drawings



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

10mm Series

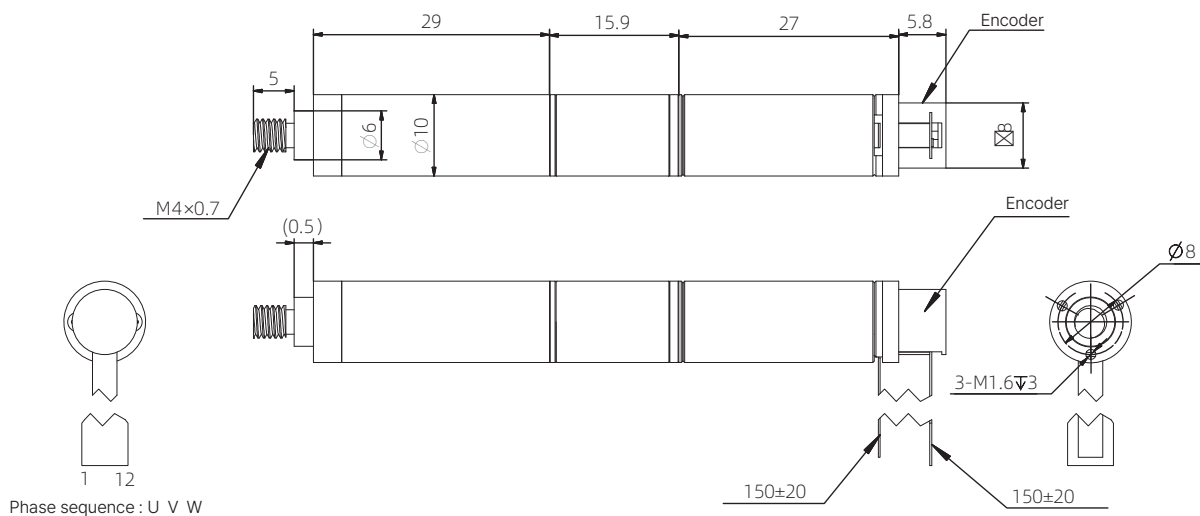


Motor Characteristics

Motor part number		10ZWWC27L
Motor size	mm	10
Rated voltage	V	12
Rated current	A	0.8
Lead screw pitch	mm	1
Standard stroke (customizable)	mm	15
Maximum stroke	mm	25
Maximum speed	mm/s	28
Rated thrust	N	80
Peak thrust (short-time)	N	160
Gear ratio	-	4.25, 18
Weight	g	31.9
Overall dimensions	mm	Φ10 × 83.2
Operating temperature	°C	-20 ~ +50
Repeatability	mm	±0.08
Encoder type	-	Incremental magnetic encoder
Number of channels	-	3
Encoder supply voltage	V	3.3
Resolution	-	1024

The above data is based on a gear ratio of 18:1

Dimensional Drawings



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

12mm Series

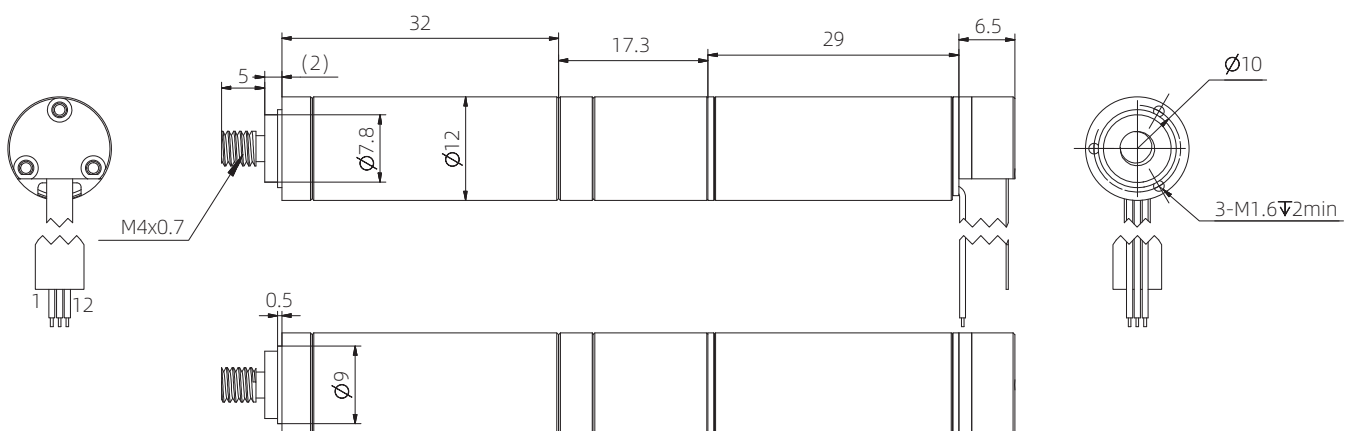


Motor Characteristics

Motor part number		12ZWWC29L
Motor size	mm	12
Rated voltage	V	12
Rated current	A	0.65
Lead screw pitch	mm	1.27
Standard stroke (customizable)	mm	20
Maximum stroke	mm	30
Maximum speed	mm/s	14
Rated thrust	N	85
Peak thrust (short-time)	N	170
Gear ratio	-	4.25, 18
Weight	g	51.3
Overall dimensions	mm	Φ12 × 91.8
Operating temperature	°C	-20 ~ +50
Repeatability	mm	±0.08
Encoder type	-	Incremental magnetic encoder
Number of channels	-	3
Encoder supply voltage	V	3.3
Resolution	-	1024

The above data is based on a gear ratio of 18:1

Dimensional Drawings



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16mm Series

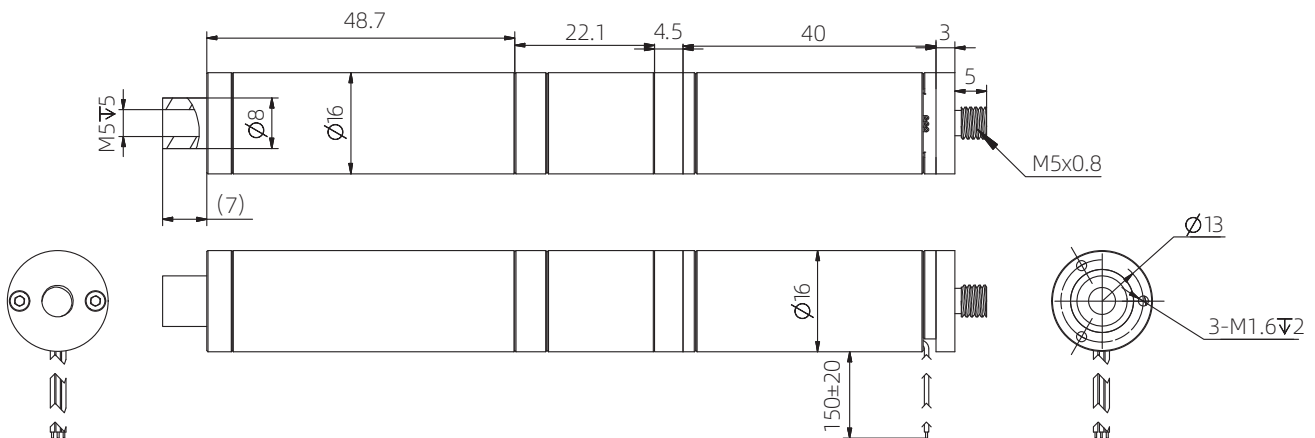


Motor Characteristics

Motor part number		16ZWWC40L
Motor size	mm	16
Rated voltage	V	12
Rated current	A	2.6
Lead screw pitch	mm	1.27
Standard stroke (customizable)	mm	30
Maximum stroke	mm	40
Maximum speed	mm/s	20
Rated thrust	N	200
Peak thrust (short-time)	N	400
Gear ratio	-	5.3, 28
Weight	g	131.4
Overall dimensions	mm	Φ16 × 131.3
Operating temperature	°C	-20 ~ +50
Repeatability	mm	±0.08
Encoder type	-	Incremental magnetic encoder
Number of channels	-	3
Encoder supply voltage	V	5
Resolution	-	1024

The above data is based on a gear ratio of 18:1

Dimensional Drawings



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

22mm Series

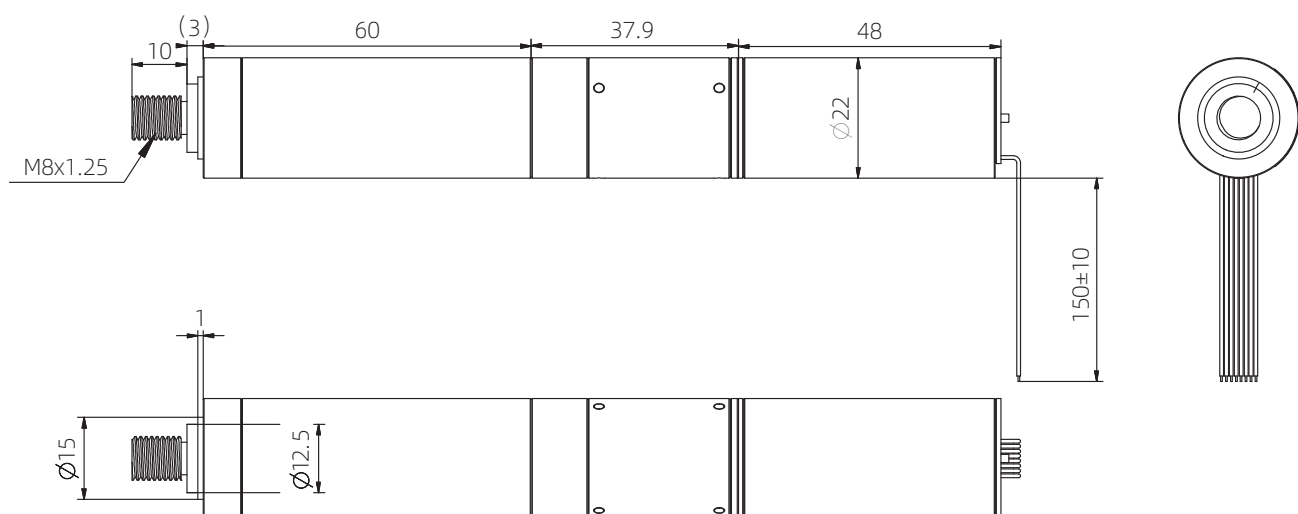


Motor Characteristics

Motor part number		22ZWWC48L
Motor size	mm	22
Rated voltage	V	24
Rated current	A	1.1
Lead screw pitch	mm	1
Standard stroke (customizable)	mm	40
Maximum stroke	mm	50
Maximum speed	mm/s	5
Rated thrust	N	750
Peak thrust (short-time)	N	1500
Gear ratio	-	5.3, 26
Weight	g	318
Overall dimensions	mm	$\Phi 22 \times 168.9$
Operating temperature	$^{\circ}\text{C}$	$-20 \sim +50$
Repeatability	mm	± 0.08
Encoder type	-	Incremental magnetic encoder
Number of channels	-	3
Encoder supply voltage	V	5
Resolution	-	1024

The above data is based on a gear ratio of 18:1

Dimensional Drawings



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



ENG Web



Partners Web



YouTube



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