

# 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

200+ Advanced Machining Equipment



20+ 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

Listed on Beijing Stock Exchange [Stock Code: 920593]  
2023 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.

# Content

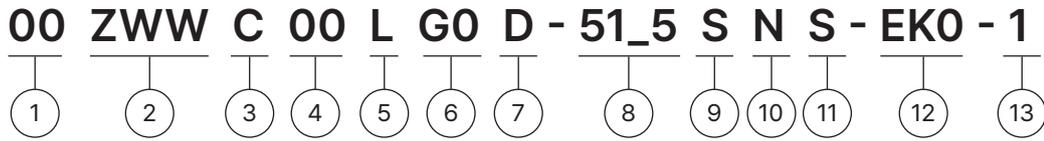
## CORELESS PUSH ROD ACTUATOR

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



## Part Number Construction



① Motor Size

Motor Size (mm)	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

Uni : 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

## 10mm Series

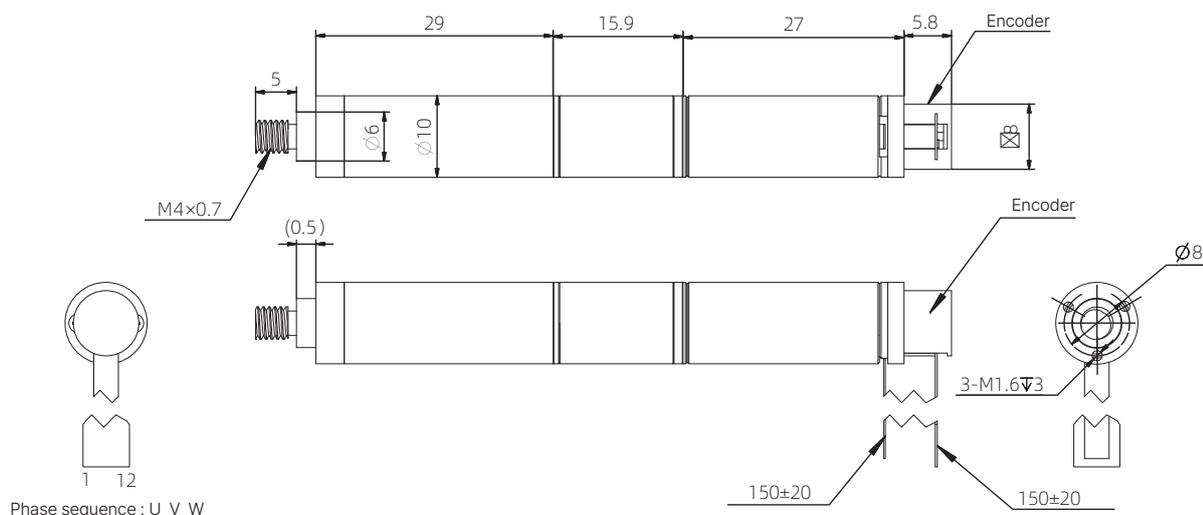


### Motor Characteristics

Motor part number		10ZWWC25L
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	-	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

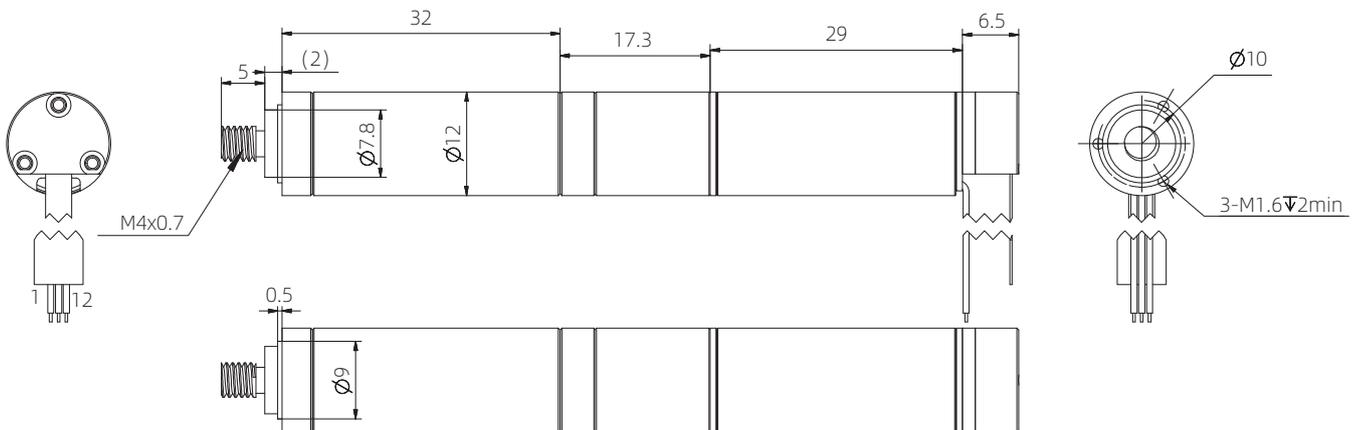


### Motor Characteristics

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	-	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



## 16mm Series

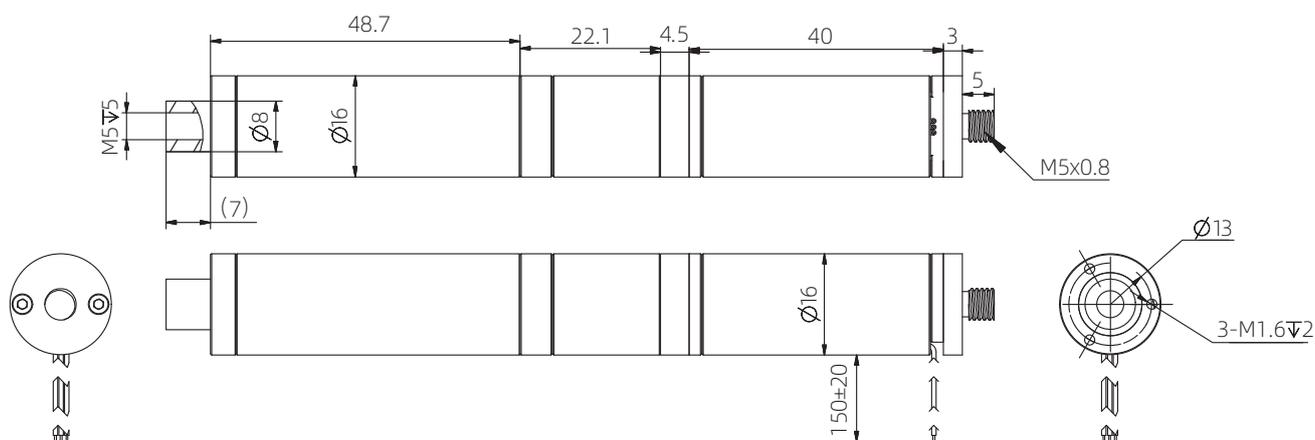


### Motor Characteristics

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	-	28
Weight	g	131.4
Overall dimensions	mm	$\Phi 16 \times 131.3$
Operating temperature	$^{\circ}\text{C}$	-20 ~ +50
Repeatability	mm	$\pm 0.08$
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



## 22mm Series

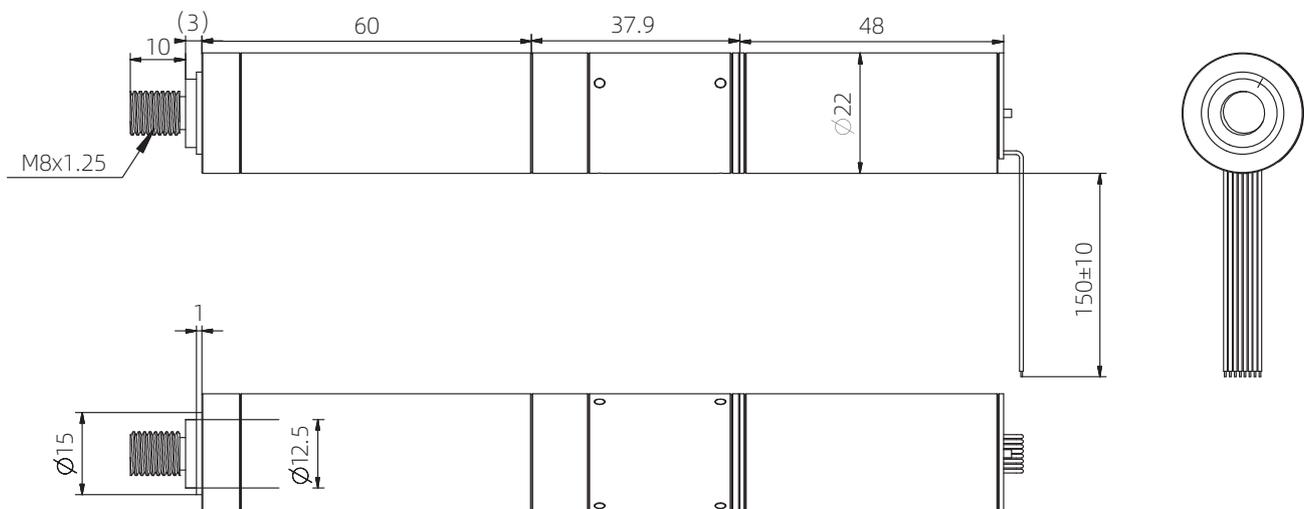


### Motor Characteristics

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	-	26
Weight	g	318
Overall dimensions	mm	$\Phi 22 \times 168.9$
Operating temperature	$^{\circ}\text{C}$	$-20 \sim +50$
Repeatability	mm	$\pm 0.08$
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





ENG Web



Partners Web



YouTube



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