Double Motor
TW61

TW61 double motor is a one-piece design, combining double motors and a control unit, the installation steps are simple and fast, which can save labor for installing the bed frame. In addition, the complete shell protection can achieve basic dust and waterproof effects. Suitable for adjustable furniture beds.

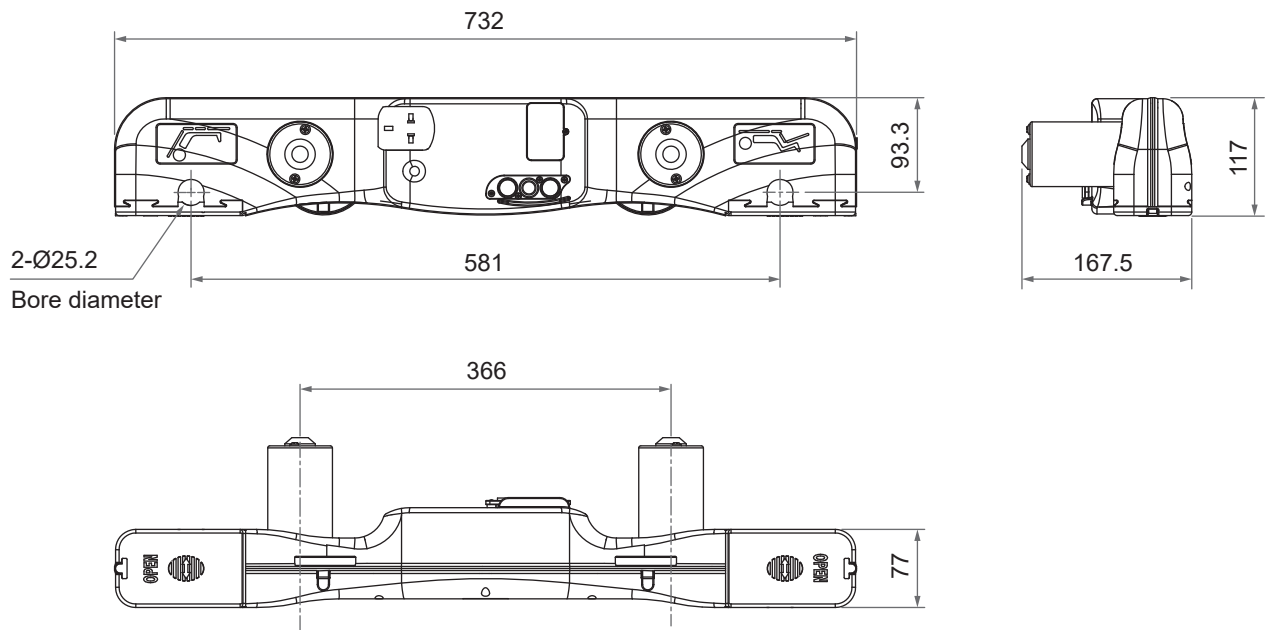## Features and Options

Main applications: Furniture, Home care
Standard features:
● Max. load: 2 x 6000N
● Speed at no load: 5mm/sec (typical value)
● Stroke: 29 ~ 87mm
● Input voltage: 100V AC ~ 240V AC, 60/50Hz
● Output voltage: 29V DC
● Power supply: Internal SMPS, 29V/2A (58W)
● Max. number of controls: 1 channel
● Max. number of additional actuators: 2 channels (24V DC)
● Electric shock protection level: Class II
● AC Power cord length: 3000mm
● Noise level: ≦55dB
● IP level: IP43
● Color: Black
● Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
● Emergency lowering against power outage, to retract double motor with 9V batteries (not included)
● Operating ambient temperature: -20°C ~ +65°C
● Certified: CE marking, EMC Directive 2014/30/EU and LVD Directive 2014/35/EU (Basic function version only)

Options:
● Position memory function with Hall effect sensors
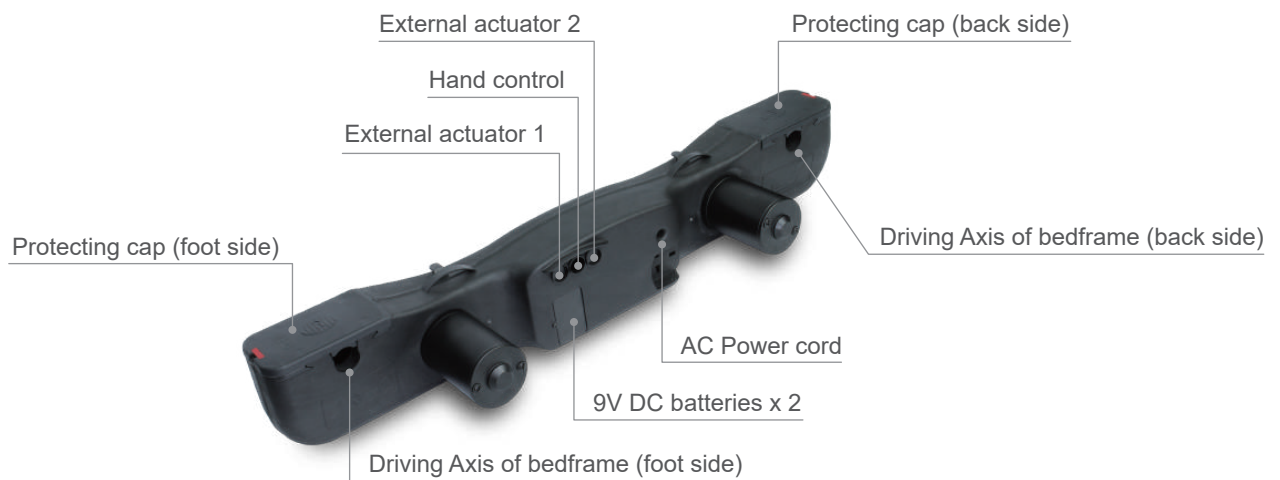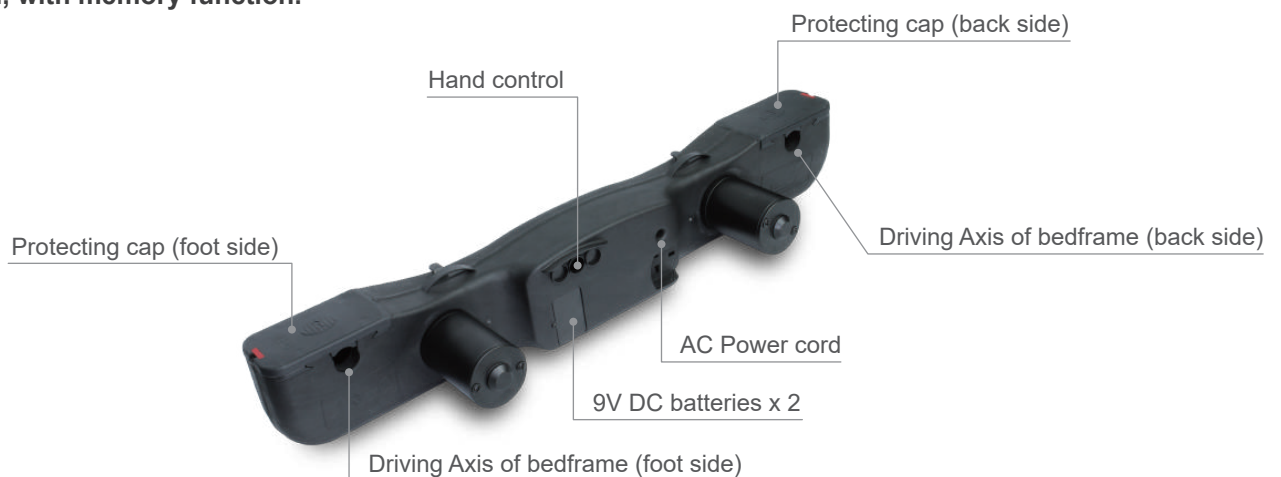● IP level: IP54
● Color: Light grey (RAL 7035)

Dimensions

732

93.3

117

2-Ø25.2
Bore diameter

581

167.5

366

77

Unit: mm

I/O Introduction

Basic, without memory function.

External actuator 2

Hand control

External actuator 1

Protecting cap (back side)

Protecting cap (foot side)

Driving Axis of bedframe (back side)

AC Power cord

9V DC batteries x 2

Driving Axis of bedframe (foot side)

Option, with memory function.

Hand control

Protecting cap (back side)

Protecting cap (foot side)

Driving Axis of bedframe (back side)

AC Power cord

9V DC batteries x 2

Driving Axis of bedframe (foot side)

Compatibility

Basic, without memory function.

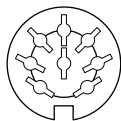| Product	Model	Compatible requirement
Hand control	HD, HI, HJ, HM, H2N, H2Z	• Analogue control • With Moteck A-type DIN plug
Wireless option	RF control: TXH3, TXT7, TX2T, TXZ	
	RF receiver adapter: TXA4	• Analogue control • With Moteck A-type DIN plug
Actuator	FD60, FD61, MK33	• 24V DC, max. 3A current • With Moteck A2-type 2-pin DIN plug

Option, with memory function.

Product	Model	Compatible requirement
Hand control	HI, H3N, H4N	• Digital control • With Moteck A-type DIN plug
Wireless option	RF control: TXH4, TXT10, TX2T	
	RF receiver adapter: TXA5	• Digital control • With Moteck A-type DIN plug

Socket

Hand control socket (for Moteck A-type DIN plug)
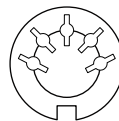
● Without memory function (Analogue control)

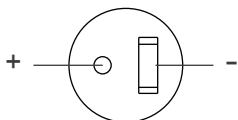- 4 drives model / 3 drives model   - 2 drives model

8-pin socket   5-pin socket

● With memory function (Digital control)

5-pin socket

A-type plug

External actuator socket (for Moteck A2-type 2-pin DIN plug)

+ —   — —

DIN 41529 socket

A2-type plug

Note: Connect + to "Vdc +" & - to "Vdc -" of DC power to extend the motor.
Switch the polarity of DC input to retract it.

Ordering Key

		TW61-	ISW1	-	87	.	69	-	1	-	2	-	0	0	B	2

Power supply	**ISW1**: Internal SMPS (100 ~ 240V AC)
Stroke for back	**29 ~ 87mm**
Stroke for leg	**29 ~ 87mm**
Socket for control	**1**: 1 socket
Number of drive	**2**: 2 motors **3**: 2 motors + 1 additional socket (Basic function version only) **4**: 2 motors + 2 additional sockets (Basic function version only)
Function version	**0**: Basic, without memory function. **H**: Position memory function with Hall effect sensors
IP level	**0**: IP43 (Standard) **4**: IP54
Color	**B**: Black **G**: Light grey (RAL 7035)
Bore diameter	**2**: 25.2mm (Standard) **6**: 25.6mm

Certifications

TW61 double motor is compliant with the following regulations.

- EMC directive 2014/30/EU

Emission	Immunity
EN 55014-1:2017 IEC 61000-3-2:2014 IEC 61000-3-3:2013	EN 55014-2:2015 Catagory II IEC 61000-4-2:2008 IEC 61000-4-4:2012 IEC 61000-4-5:2014 IEC 61000-4-6:2013 IEC 61000-4-11:2004

- LVD directive 2014/35/EU

Standard
EN 60335-1:2012+A11:2014+A13:2017

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