

ELECYLINDER

EC-WER1 WEGR2

POINT

Motorized and yet tiny

Size/specs equivalent to small-diameter air cylinder (cylinder I.D. Ø6~8)

No speed controller, switch, or air tube required, saving even more space

Rod Type

Unit weight 10 stroke: 32g 20 stroke: 48g



Gripper Type



POINT

An industry first! New drive system

Patented

Because the actuator and wire controller are separate... The heat source can be separated

→ Less likely to be affected by heat

Wire controllers enable adjustment of

Application Examples:

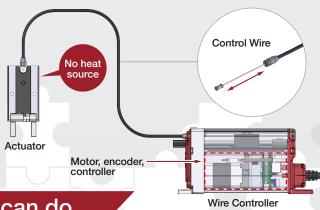
Position

Speed

Acceleration / **Deceleration**

Watch circuit board assembly process

Push force / **Grip force**



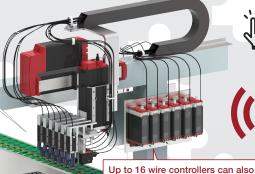
POINT

What motorization can do

be installed in close proximity

Numerical setting is possible: Simple & Accurate

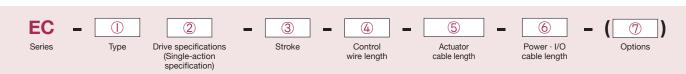
Setting the push terminal position enables push (grip) complete/idling decision







Specifications



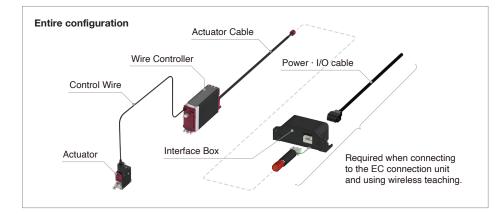
The model number above is a set model number composed of actuator unit, control wire, and wire controller.

		Roc	Туре		Gripper Type		
<u>П</u> Туре			WER1		() Туре		WEGR2
2 Drive specifications			SA		② Drive specifications		EG (O.D. grip specification)
3 Stroke (mm)			10	20	Drive specifications		IG (I.D. grip specification)
Horizontal	Max. payload (kg)		0.75		③ Stroke (mm)		4 (One side 2)
	Max. speed (mm/s)	Set value	100		Max. grip force (N) (both sides)*2		10
		Actual speed	91	87	Max. speed Set value		
	Max. payload (kg)		0.25		Max. speed at approach		100
Vertical	Max. speed (mm/s)	Set value	100		(mm/s)	Actual speed	
		Actual speed	91	87	Positioning repeatability (mm)		±0.01
Max. push force (N)*1			11.5	12.29	Static allowable moment (N·m)		Ma: 0.38 Mb: 0.38
			±0.01mm (pressure)				Mc: 0.74
Positioning repeatability (mm)			±0.3mm (non-pressure) ±0.05mm (backward end spring recovery)		Vertical allowable load (N)		132

^{*1} Reference values with current limit value 100%, stroke end, wire routing length 1m, bending angle 360°, bending radius 25.

^{*2} Total values for both fingers with current limit value 100%, open/close stroke center, grip point distance L = 23mm, wire routing length 1m, bending angle 360°, bending radius 25.

Common Specifications								
4 Control wire length (m)		05 (0.5m) ~ 30 (3m) *every 0.5m						
⑤ Actuator cable length (r	m)	$1\sim 10^{-4}$ every 1m (When connecting via the interface box, 9m is the maximum length available.)						
6 Power · I/O cable length	h (m)	0 (Without cable), (S)1 \sim (S)9 *every 1m, (S): 4-way connector cable (Make sure that the total length along with the actuator cable is 10m or less.)						
7 Options		Please refer to the catalog for more details.						
Wire Controller	Motor Specifications	Stepper motor □20						
wire Controller	Operation life	10 million reciprocal motions						





Wire Cylinder Catalog

The product catalog is coming soon!

Demo units are Available!