



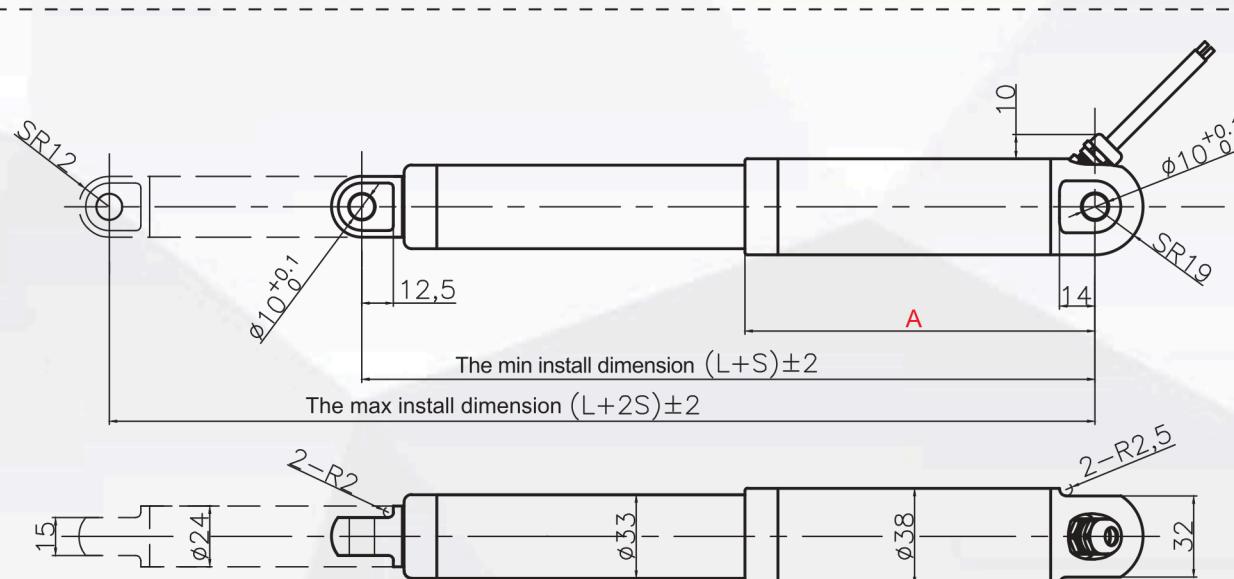
# i5

## FEATURES AND BENEFITS



- **i5** is a upgrade version of **i4** but with internal limit switches for ends stop.
- Thanks to the end limits design, **i5** can make up the inadequacy of **i4** for the two ends protection also a straight moving shaft.
- **i5** is a slim in-line actuator with a robust design, high efficiency, hall sensor for positioning and synchronous function.
- Also stainless steel version as option for marine and harsh environments.
- It's quite suitable for sun shading system, RV, Rehabilitation equipment, industry automation.

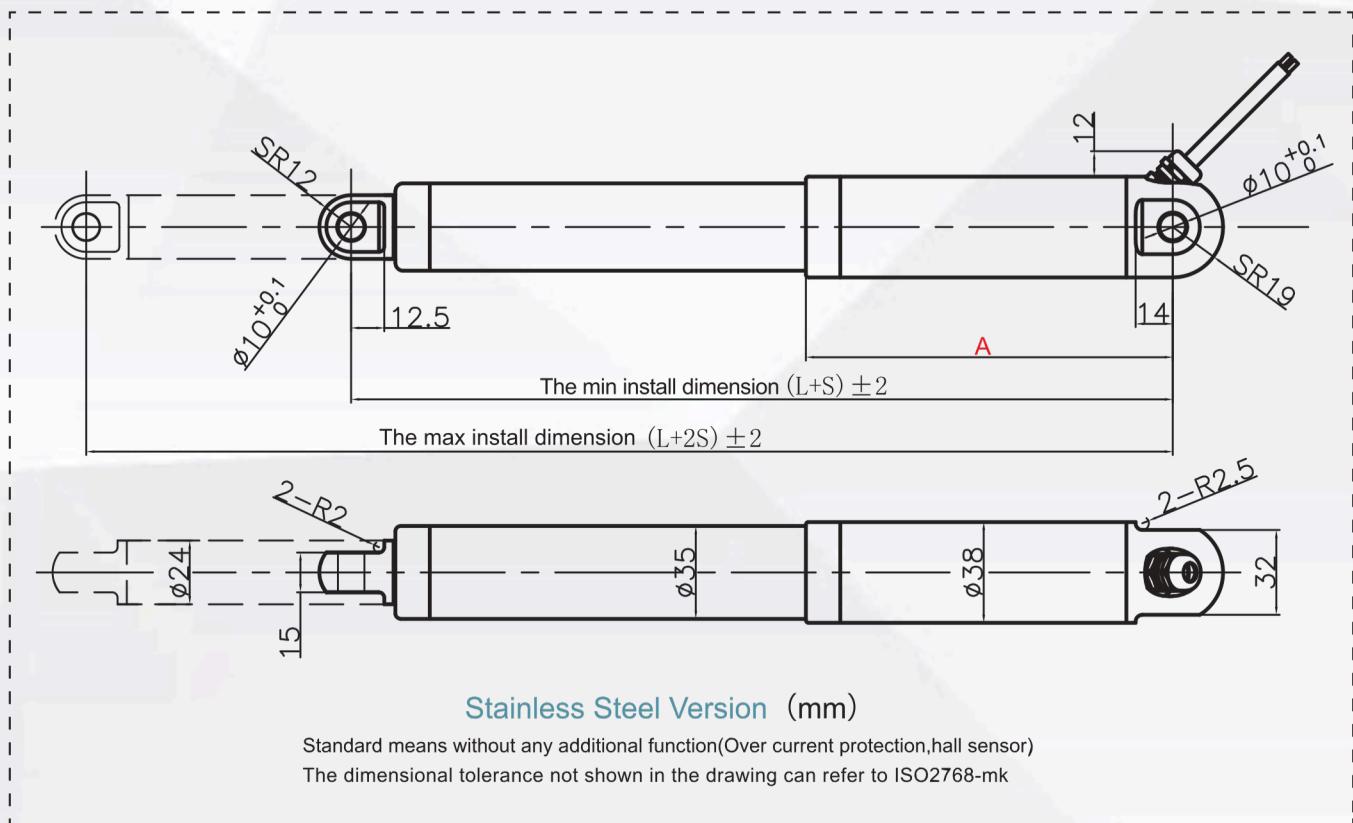
## DIMENSION



### Aluminum Version (mm)

Standard means without any additional function(Over current protection,hall sensor)

The dimensional tolerance not shown in the drawing can refer to ISO2768-mk



<b>i5</b> Min. Install dimension Stroke $\leq 400\text{mm}$	(mm)	Limit Switch		Hall sensor		Over current protection	
		Normal/ Waterproof	Low noise	Normal/ Waterproof	Low noise	Normal/ Waterproof	Low noise
$\leq 800\text{N}$	L+S	200+S	210+S	220+S	220+S	220+S	230+S
	A	128.5	138.5	148.5	148.5	148.5	158.5
$> 800\text{N}$	L+S	210+S	220+S	230+S	230+S	230+S	240+S
	A	138.5	148.5	158.5	158.5	158.5	168.5

<b>i5</b> Min. Install dimension Stroke $> 400\text{mm}$	(mm)	Limit Switch		Hall sensor		Over current protection	
		Normal/ Waterproof	Low noise	Normal/ Waterproof	Low noise	Normal/ Waterproof	Low noise
$\leq 800\text{N}$	L+S	235+S	245+S	235+S	245+S	235+S	245+S
	A	148.5	158.5	148.5	158.5	148.5	158.5
$> 800\text{N}$	L+S	245+S	255+S	245+S	255+S	245+S	255+S
	A	158.5	168.5	158.5	168.5	158.5	168.5

- Noise level 56dB for the low noise version.



## STANDARD SPECIFICATIONS

<b>Voltage(V)</b>	12	24	<b>Protection Class</b>	IP66/67M
<b>No-load current(A)</b>	≤0.7	≤0.35	<b>Operating temperature(℃)</b>	-20~60
<b>Load current(A)</b>	≤3.8	≤1.8	<b>Storage temperature(℃)</b>	-40~70
<b>Max. Power(W)</b>	50		<b>Noise on load (dB)</b>	60
<b>Material of outer tube</b>	6063 Aluminium/316 stainless steel		<b>Backlash (mm)</b>	0.5-1
<b>Material of lead screw</b>	Trapezoid,Steel		<b>Colour</b>	Black
<b>Material of piston rod</b>	316stainless steel		<b>Certification</b>	CE
<b>Material of the nut</b>	Engineering plastic		<b>Wire connection</b>	Bare wire/4 pins connector 6 pins connector
<b>Working duty(S2)</b>	Work 2 minutes and rest 18 minutes		<b>End mounting</b>	O type
<b>Life time(cycles)</b>	≥10k		<b>Wire length(m)</b>	1.5

## TECHNICAL DATA

<b>Max Load(N)</b>	100	300	400	600	800	1200	1800	2300
<b>Self-locking Force(N)</b>	150	600	600	1600	1600	1800	3600	3450
<b>No-load Speed(mm/s)-Normal</b>	35	25	18	12	12	6.8	4.5	3.5
<b>Load Speed(mm/s)-Normal</b>	30	17	14	9	8	5	3	2.5
<b>No-load Speed(mm/s)-Low noise</b>	25	25	16.5	13	8.5	5	3.3	3.3
<b>Load Speed(mm/s)-Low noise</b>	23	20	14	10.5	7	4.5	3	2.5
<b>Stroke(mm)</b>	50	100	150	200	250	300	350	400
<b>Weight(kg)</b>	0.85	0.95	1.05	1.15	1.25	1.35	1.45	1.65

- Push only function is optional.
- Output limit switches wires is optional.
- Customized stroke lengths are available.
- The min stroke:20mm ,the max stroke:500mm.
- The stroke's precision is ±2 mm.

## ON REQUEST

■ Cable lengths ■ Other stroke lengths available ■ Customized front,rear fixture ■ Installation size ■ Available in all RAL colours

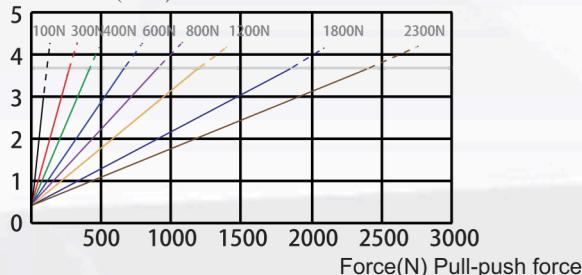


## CURVE

Accuracy of speed or current :  $\pm 15\%$ , in general, applications in the dashed are not recommended.

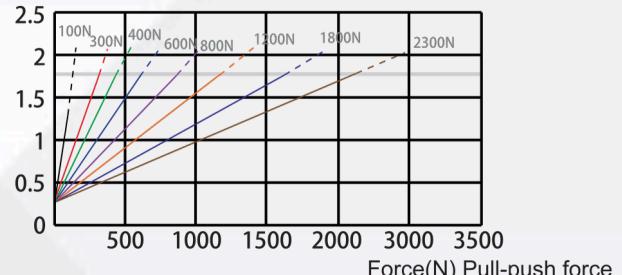
### CURVE(Force/ current)

Current (12V)



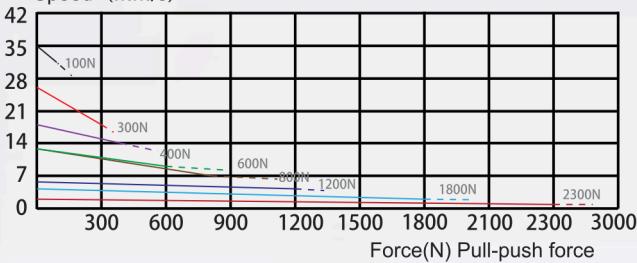
### CURVE(Force/ current)

Current (24V)

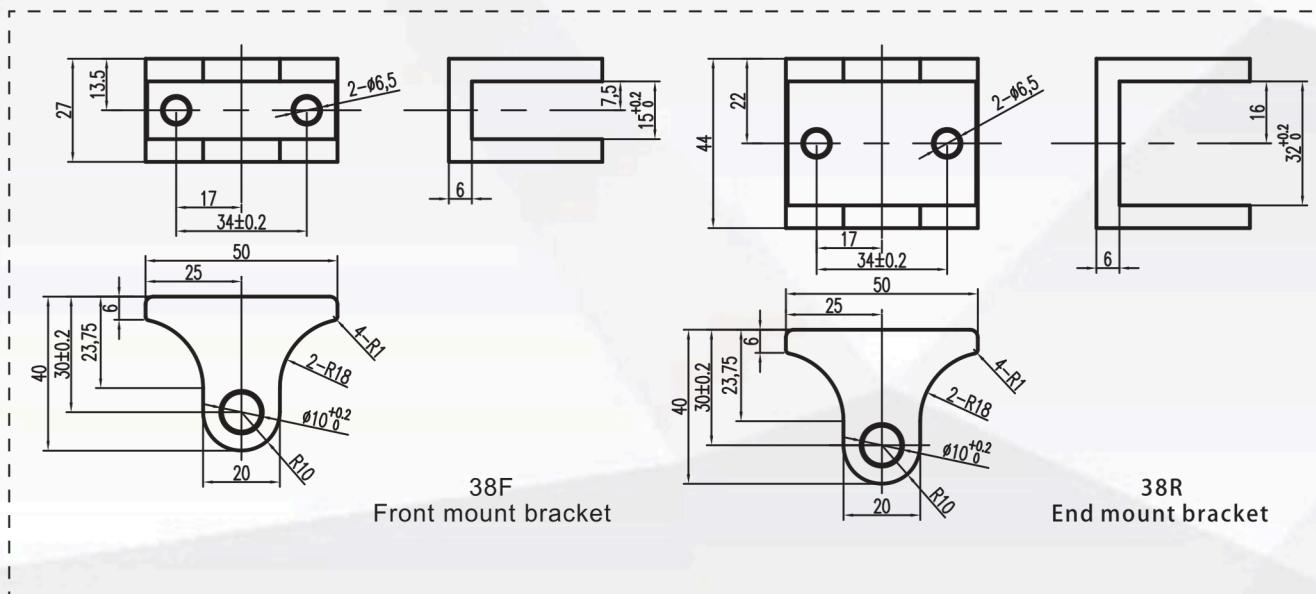


### CURVE(Speed/force)

Speed (mm/s)



## MOUNTING BRACKET



## CONTROLLERS AVAILABLE

One actuator output controller, Two actuator output controller, Three actuator output controller.