

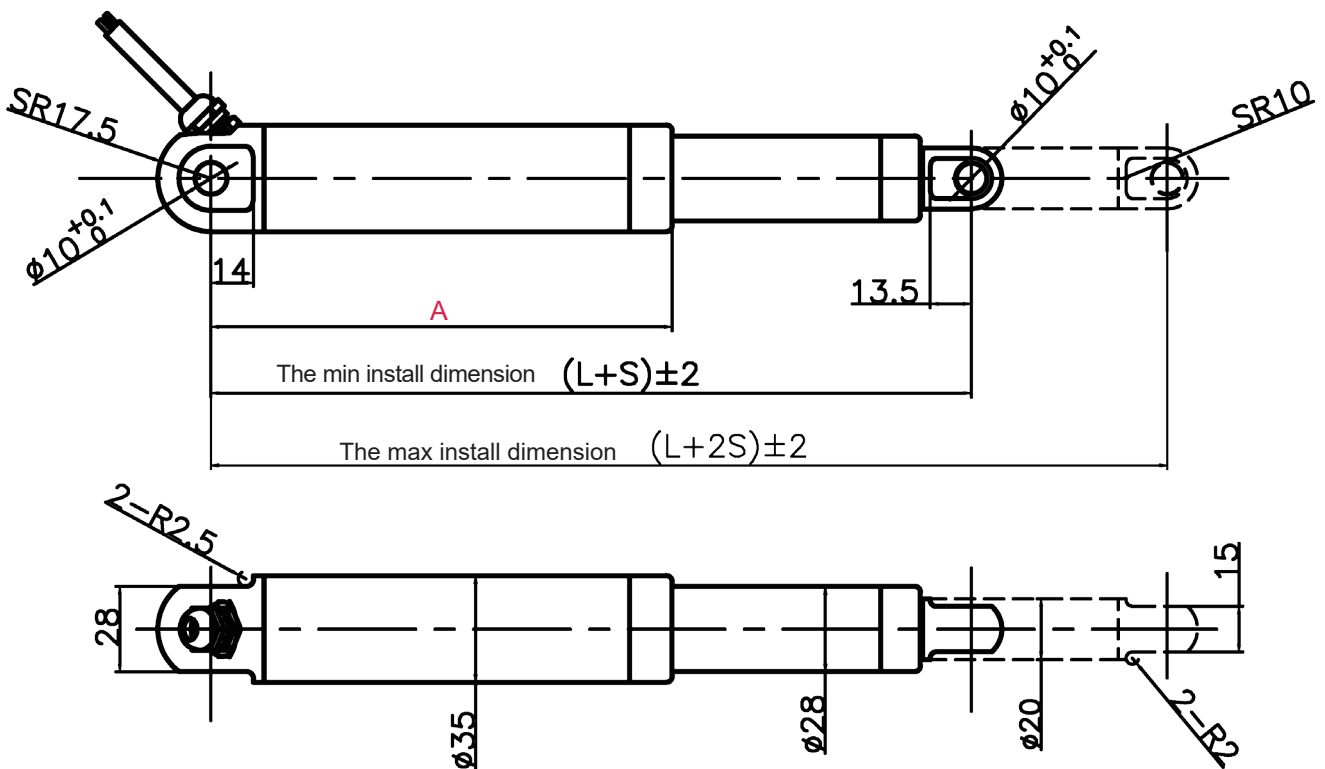
13PBR-35

FEATURES AND BENEFITS



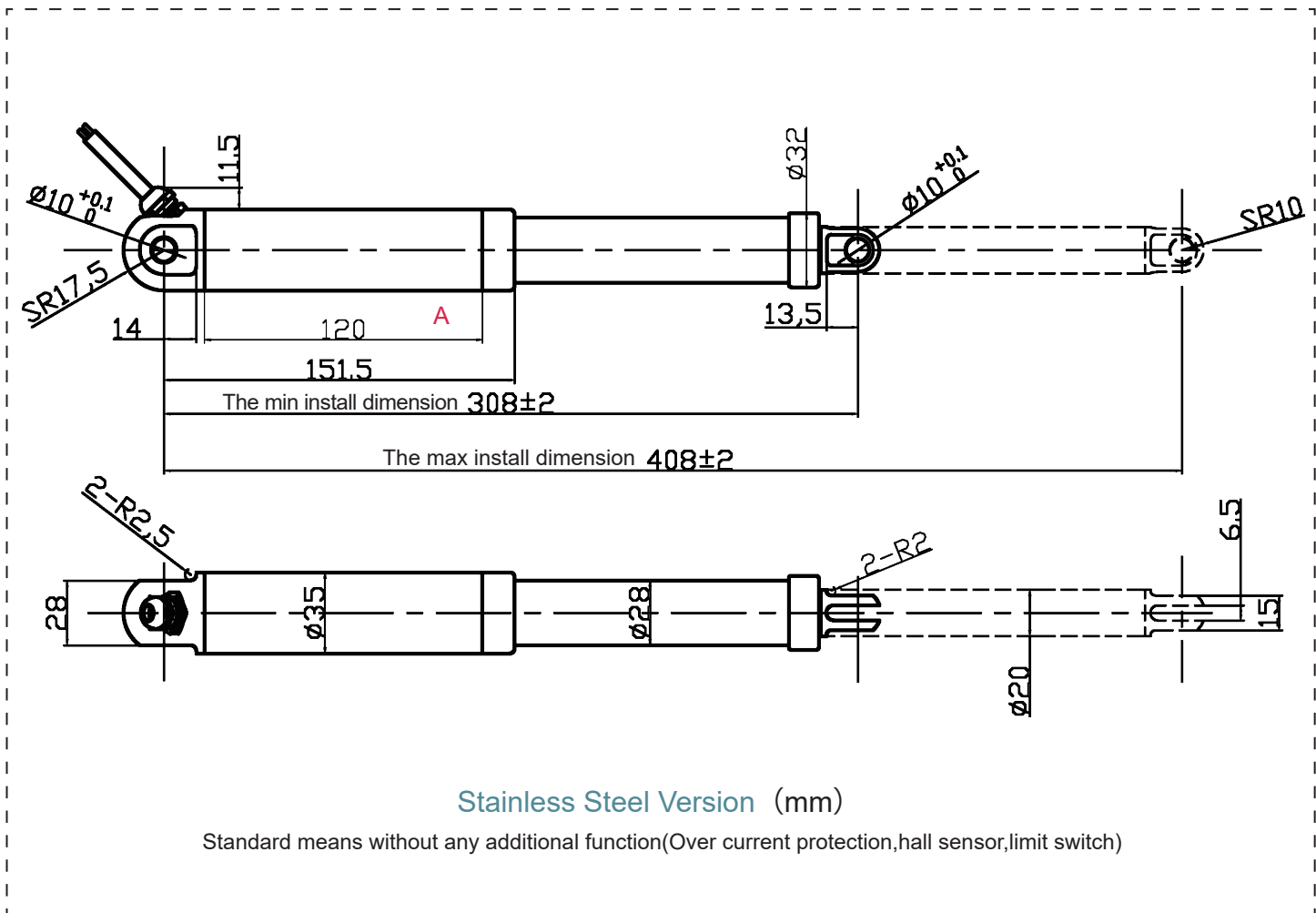
- 13PBR-35 is a compact in-line linear actuator.
- The combination of max load capacity 2300N with its diameter 35mm only, makes 13PBR-35 to be the bestseller and a perfect match for various applications.
- 13PBR-35 also can be in all stainless steel materials, IP67M protection, which makes it a good choice for harsh environment.
- It is approved to be perfect for applications like motorized pergola, yacht automation, special vehicles, power wheelchairs.

DIMENSION



Aluminum Version (mm)

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



13PBR-35 Min. Install dimension	(mm)	Standard		Hall sensor		Over current protection	
		Normal/ Waterproof	Low noise	Normal/ Waterproof	Low noise	Normal/ Waterproof	Low noise
≤800N	L+S	178+S	188+S	200+S	200+S	200+S	200+S
	A	121.5	131.5	143.5	143.5	143.5	143.5
>800N	L+S	188+S	200+S	208+S	208+S	208+S	-
	A	131.5	143.5	151.5	151.5	151.5	-

- Noise level 55dB for the low noise version.

STANDARD SPECIFICATIONS

Voltage(V)	12	24	Protection Class	IP66/67M
No-load current(A)	≤0.7	≤0.35	Operating temperature(°C)	-20~60
Load current(A)	≤3.8	≤1.8	Storage temperature(°C)	-40~70
Max. Power(W)	60		Noise on load (dB)	60
Material of outer tube	6063 Aluminium/316 stainless steel		Backlash (mm)	0.5-1
Material of lead screw	Trapezoid,Steel		Colour	Black/Silver
Material of piston rod	304 stainless steel		Certification	CE
Material of the nut	Copper/Plastic		Wire connection	Bare wire/4 pins connector 6 pins connector
Working duty(S2)	Work 2 minutes and rest 18 minutes		End mounting	O type
Life time(cycles)	≥10k		Wire length(m)	1.5

TECHNICAL DATA

Max Load(N)	100	300	400	600	800	1200	1800	2300
Self-locking Force(N)	150	600	600	1600	1600	1800	3600	3450
No-load Speed(mm/s)-Normal	35	25	18	12	12	6.8	4.5	3.5
Load Speed(mm/s)-Normal	30	17	14	9	7	5	3	2.5
No-load Speed(mm/s)-Low noise	25	25	16.5	13	8.5	5	3.3	3.3
Load Speed(mm/s)-Low noise	23	20	14	10.5	7	4.5	3	2.5

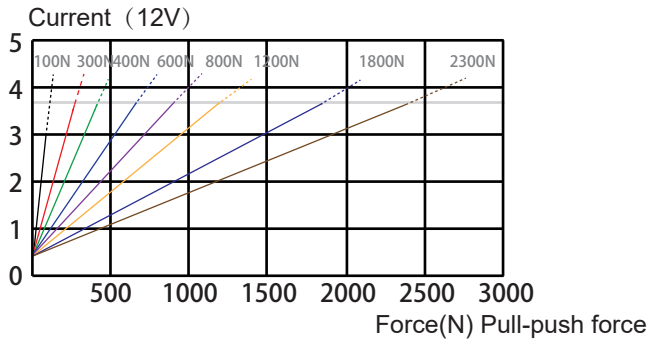
Stroke(mm)	50	100	150	200	250	300	350	400
AL Weight(kg)	0.6	0.7	0.8	0.9	1	1.1	1.2	1.4
S/S Weight(kg)	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8

- Customized stroke lengths are available.
- The min stroke:10mm ,the max stroke:500mm.
- The stroke's precision is ±2 mm.
- Low noise version with 20mm/s speed at 100N load and no load speed 22mm/s.
- **Load capacity >800N: No low noise version is available.**

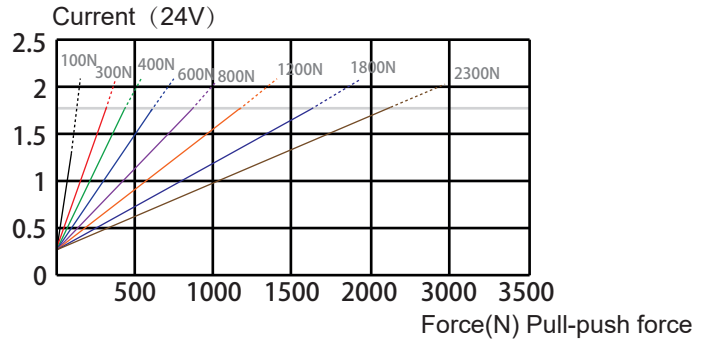
CURVE

Accuracy of speed or current : $\pm 10\%$, in general, applications in the dashed are not recommended.

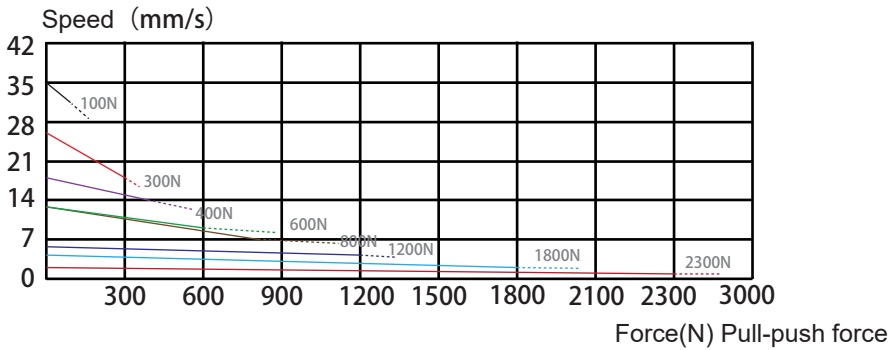
CURVE(Force/ current)



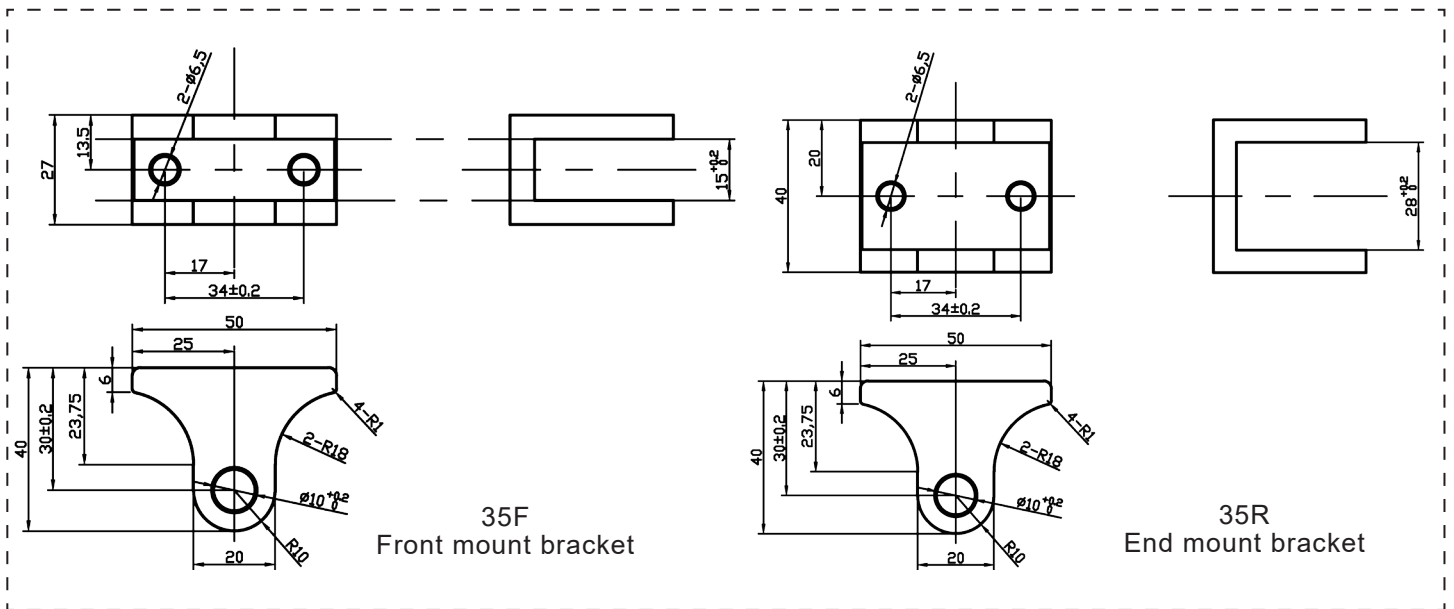
CURVE(Force/ current)



CURVE(Speed/force)



MOUNTING BRACKET



CONTROLLERS AVAILABLE

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