Actuator **RE2000**

RE2000 is a powerful and quiet actuator designed for rehabilitation applications, but can be used also in other applications where small size is important.

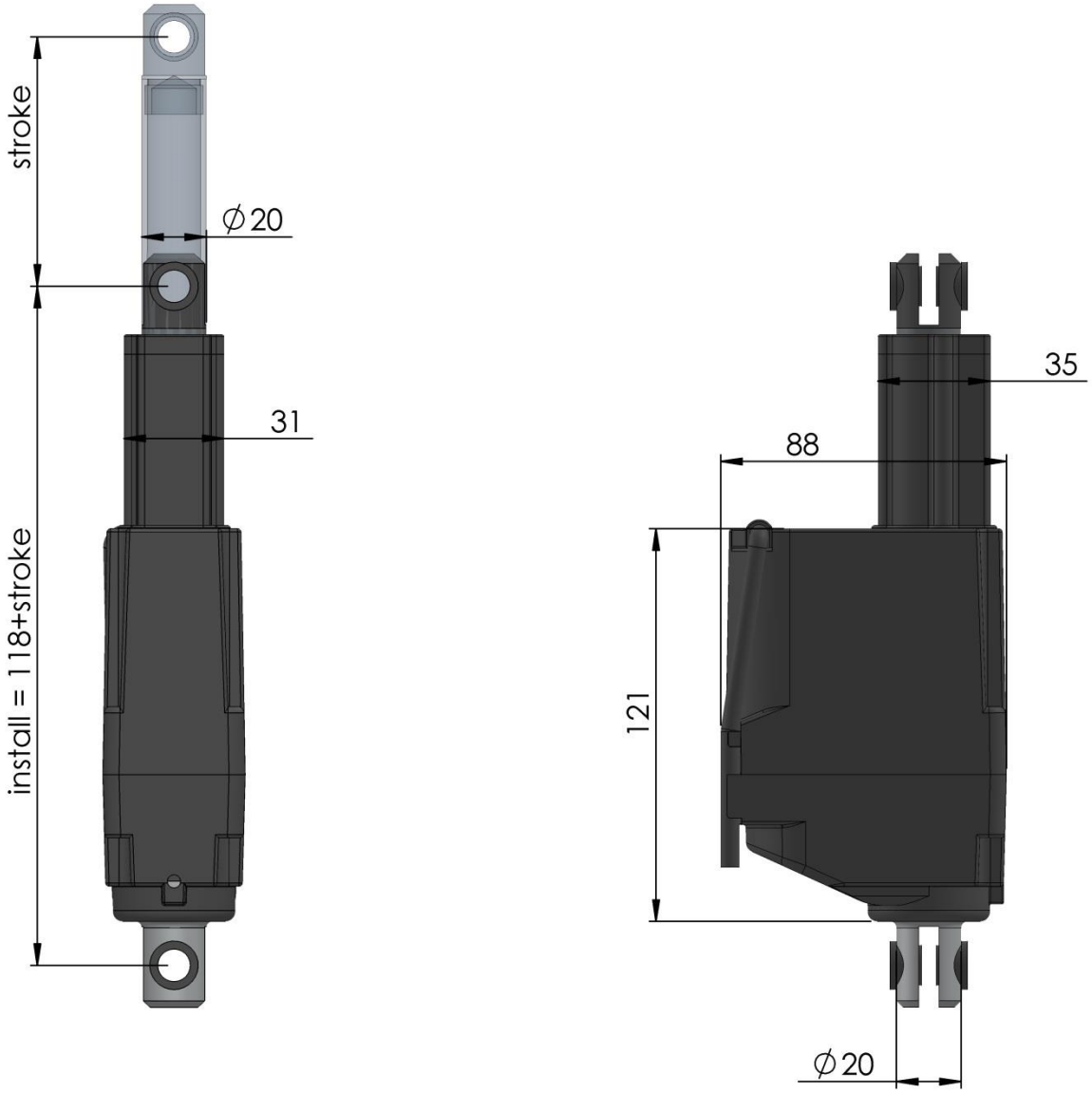
Standard features

Max push force	2500N
Max pull force	2500N
Max speed (full load)	2,5 – 3 mm/s
Max speed (no load)	4,8 – 5,8 mm/s
Min built in length	118mm + stroke
Stroke lengths (mm)	50, 100, 150, 200, 250
IP-class	IPX4
Current consumption (full load)	1,6 – 1,7 A
Current consumption (no load)	0,2A
Feedback & switches	Mechanical limit switch
Motor	24VDC
Mounting brackets	cyl 10/12mm, fork 10mm. Angle for rear bracket: 0°, 45°, 90°
Connection	Cable 0,5m 2x0,75mm^2 (stripped ends)
Operating temperature	+5° to +40°C
Storage temperature	-40° to +70°C
Housing	Aluminum
Piston	Stainless steel
Color	Black or white
Duty cycle	10%, max 2 min at continuous use followed by an 18 min rest

Options

Stroke lengths (mm)	Customizable
Protection class	-
Mounting brackets	Customizable
Connection & Cables	Customizable
Color	Customizable
Feedback & switches	Hall sensor feedback, 2 channels Linear potentiometer

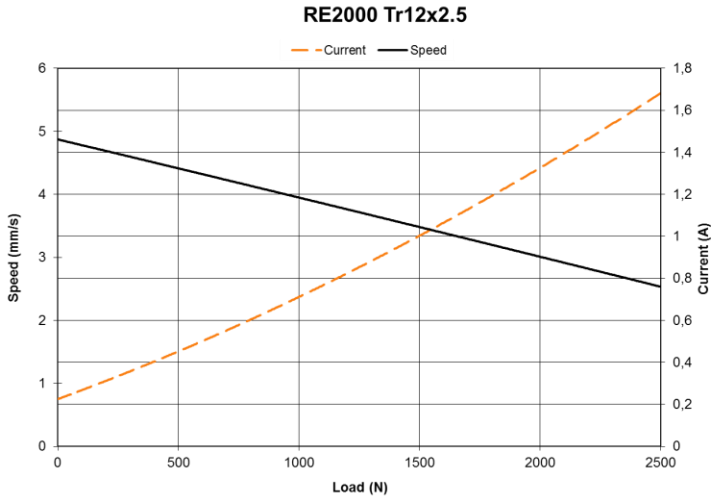
Dimensions

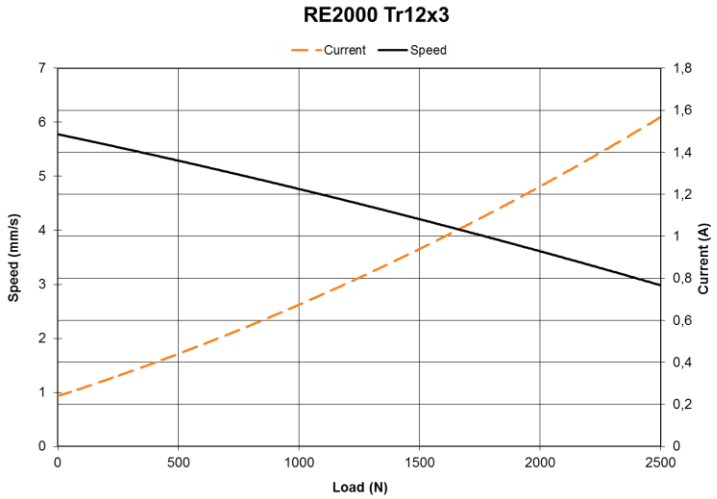


Performance

Chart showing force, speed and current for RE2000

Pitch [mm]	Max push force [N]	Max pull force [N]	Max self-locking push [N]	Speed at no/max force [mm/s]	Current consumption at no/max force [A]	DC motor [type]
2,5	2500	2500	2500	4,8 / 2,5	0,2 / 1,7	24V
3	2500	2500	1000	5,8 / 3,0	0,2 / 1,6	24V





Charts show average figures for 24V actuator using stabilized power supply. All figures with ambient temperature of 20˚C. Accuracy: ±5.

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