

## Actuator RE3005



RE3005 is a powerful and quiet actuator designed for rehabilitation applications, but can be used also in other applications, demanding the smallest overall dimensions. The RE3005 is perfect for powered wheelchair applications.

**Standard features**

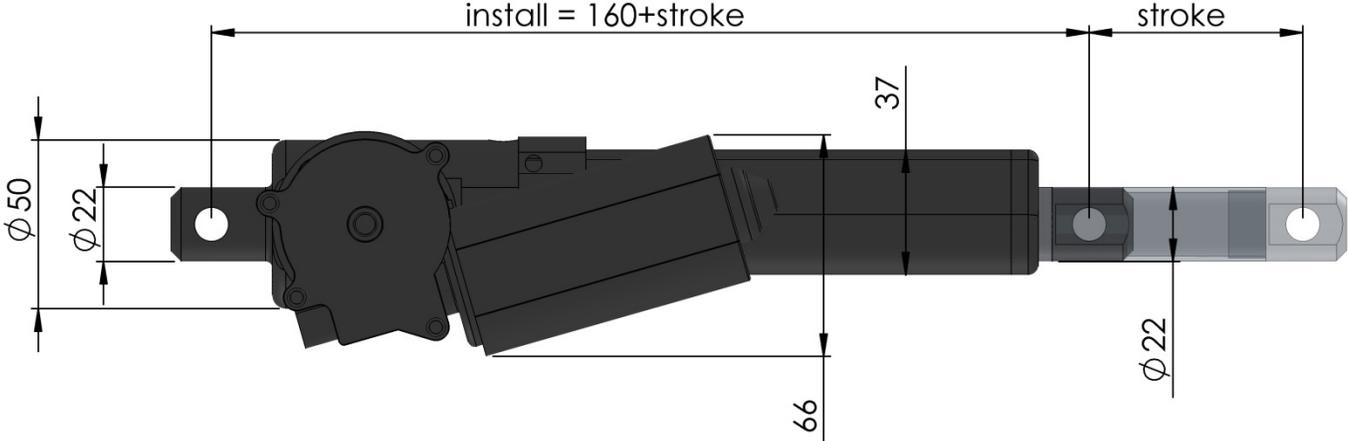
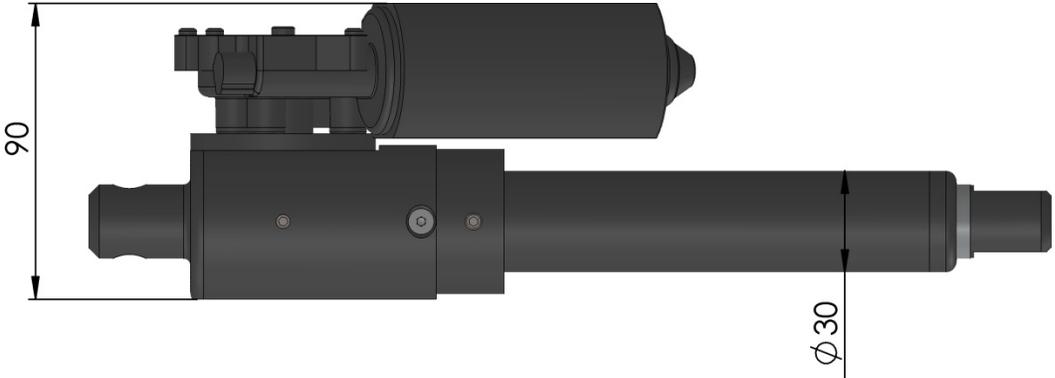
Max push force	6000N
Max pull force	6000N
Max speed (full load)	3,0 mm/s
Max speed (no load)	5,0 mm/s
Min built in length	160mm + stroke
Stroke lengths (mm)	50, 100, 150, 200, 250
IP-class	IPX1
Current consumption (full load)	5,5A
Current consumption (no load)	0,7A
Feedback & switches	Mechanical limit switch
Motor	24VDC fast or strong. Angle: 14°, 16° or 120°
Mounting brackets	cyl 10,2/12,0mm, fork 10,2mm. Angle for rear bracket: 0°, 90°
Connection	Cable 0,5m 2x0,75mm <sup>2</sup> (stripped ends)
Operating temperature	+5° to +40°C
Storage temperature	-40° to +70°C
Housing	Steel
Piston	Stainless steel
Color	Black
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	-
Feedback & switches	Hall sensor feedback, 1 or 2 channels Reed switch Linear potentiometer

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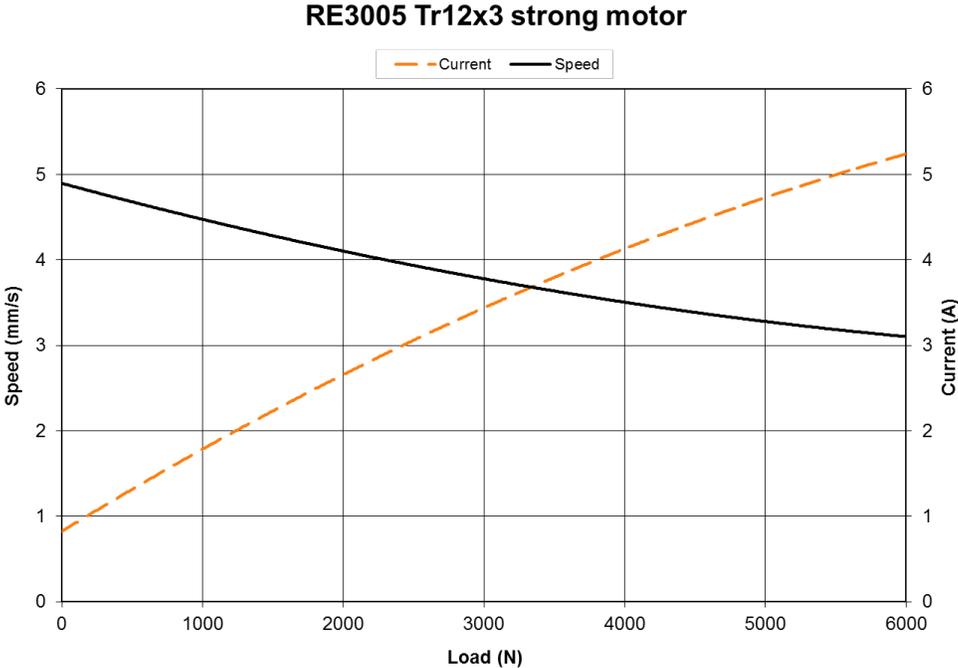
Dimensions



### Performance

Chart showing force, speed and current for RE3004

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]
3	6000	6000	5000	5,0 / 3,0	0,7 / 5,5	Strong



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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