

Actuator **RE5004**



RE5004 is a quiet, very compact high-power actuator. Well suited for all applications where the build in space is limited, such as seat-lifts, lift-chairs, wheelchair lifting devices etc. The actuator can be controlled by any REAC controller as well as all known third party controllers on the market.

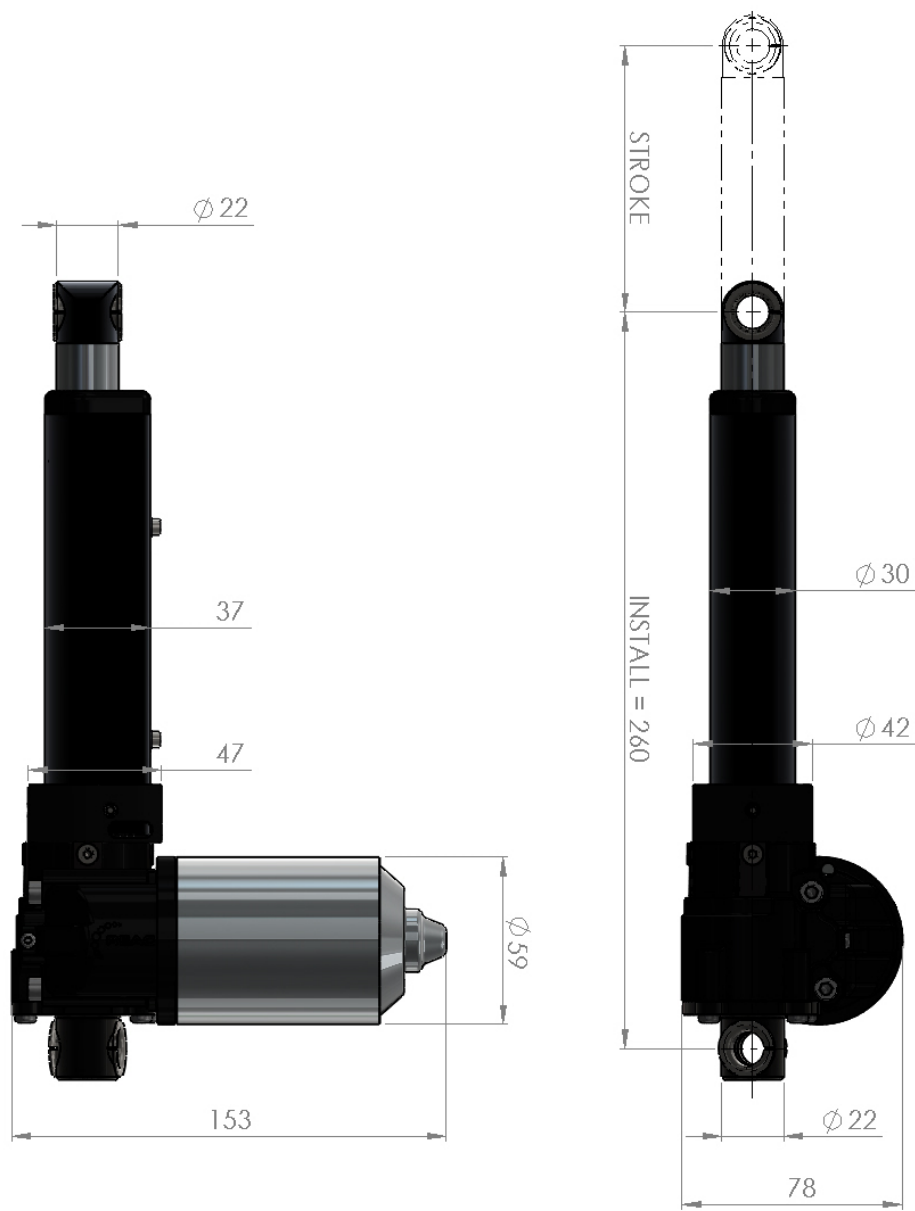
Standard features

Max push force	6000N
Max pull force	4000N
Max speed (full load)	3,7 - 5 mm/s
Max speed (no load)	4,5 - 7 mm/s
Min built in length	144 mm + stroke
Stroke lengths (mm)	50, 100, 150, 200, 250
IP-class	IPX1
Current consumption (full load)	3,9 – 6 A
Current consumption (no load)	0,6 – 1,2 A
Feedback & switches	Mechanical limit switch
Motor	24VDC standard, fast Angle: fixed 90°
Mounting brackets	cyl 10,0/12,0mm, fork 10,1mm. Angle for rear bracket: 0° or 90°
Connection	Cable 0,5m 2x0,75mm ² (stripped ends)
Operating temperature	+5° to +40°C
Storage temperature	-40° to +70°C
Housing	Composite
Piston	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	Customizable
Feedback & switches	Reed switch Hall sensor feedback, 1 or 2 channels Linear potentiometer
Motor	24VDC compact (outer diameter 59mm)

Dimensions

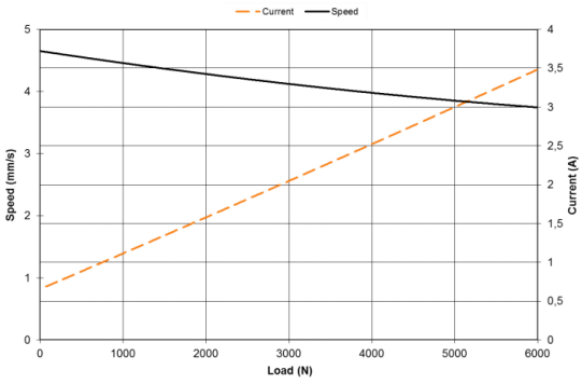


Performance

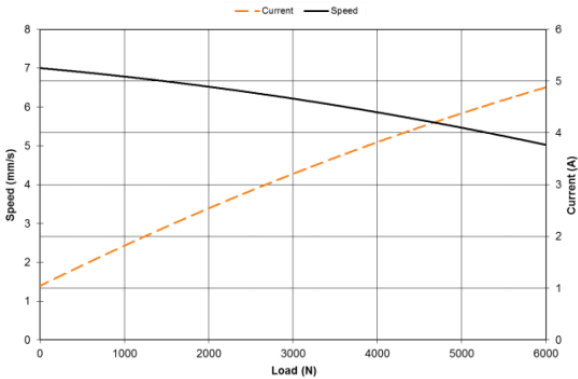
Chart showing speed and current for RE5004

Name	Max push force [N]	Speed at no load [mm/s]	Current consumption at no load [A]	Min. build-in length, excl. stroke [mm]	Max pull force [N]	Speed at max. load [mm/s]	Current consumption at max. load [A]	Stroke length std [mm]	IP class	Pitch [mm]
RE5004 COMPACT - 3	4000	8	1.5	144	4000	5.5	4.8	50-250	IPX1	3
RE5004 FAST - 3	6000	7	1.2	144	4000	5.0	6.0	50-250	IPX1	3
RE5004 FAST - 4	6000	8	1.2	144	4000	6.0	5.2	50-250	IPX1	4
RE5004 FAST - 6	3000	12	1.2	144	3000	8.9	4.8	50-250	IPX1	6
RE5004 STD - 3	6000	4.5	0.6	144	4000	3.7	3.9	50-250	IPX1	3
RE5004 STD - 4	6000	5.5	0.8	144	4000	4.6	4.5	50-250	IPX1	4
RE5004 STD - 6	3000	7.5	1	144	3000	6.8	3.0	50-250	IPX1	6

RE5004 Tr12x3 standard motor



RE5004 Tr12x3 fast motor



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

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