Actuator **RE1004**

RE1004 is a powerful inline actuator designed for rehabilitation applications, but can be used also in other applications demanding the smallest overall dimensions and linear design. It is equipped with limit switches in standard. The RE1004 is perfect for powered leg-rests.

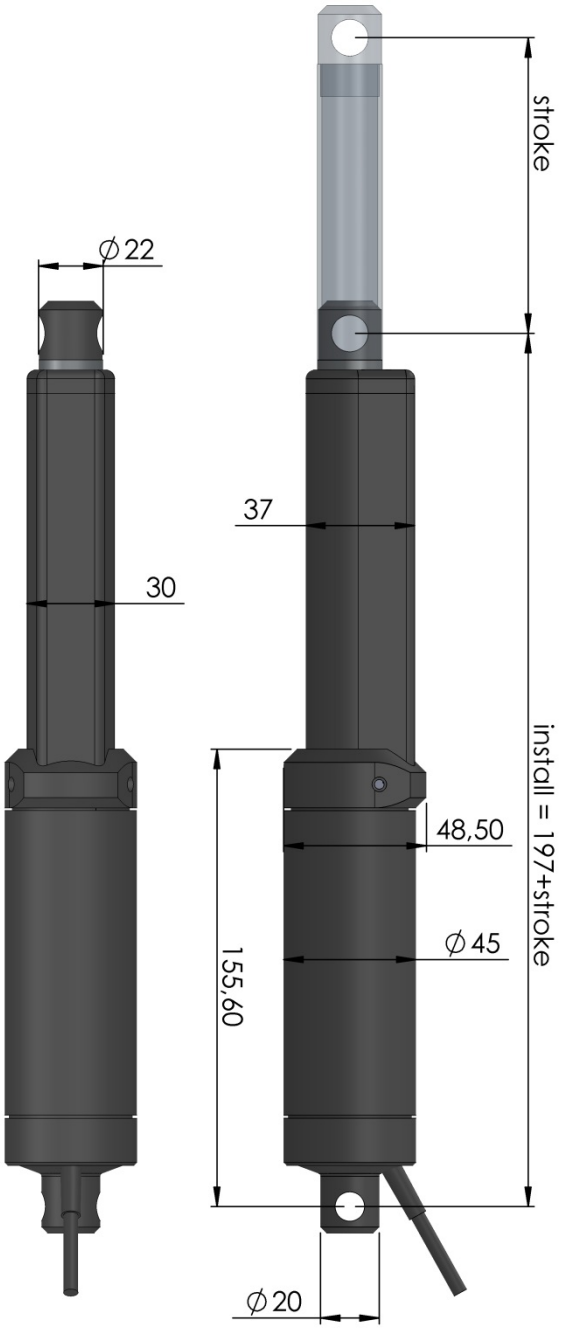
Standard features

Max push force	600N – 1500N
Max pull force	600N – 1500N
Max speed (full load)	3,0 – 8,3 mm/s
Max speed (no load)	5,0 – 14,0 mm/s
Min built in length	197mm + stroke
Stroke lengths (mm)	50, 100, 150
IP-class	IPX1
Current consumption (full load)	0,9A – 2,5A
Current consumption (no load)	0,12A – 0,3A
Feedback & switches	Mechanical limit switch
Motor	24VDC strong, 24VDC fast, 12VDC
Mounting brackets	cyl 10/12mm, fork 10mm
Connection	Cable 0,5m 2x0,5mm2 (stripped ends)
Operating temperature	+5° to +40°C
Storage temperature	-40° to +70°C
Housing	Aluminum
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	IPX0 with potentiometer
Mounting brackets	Customizable
Connection & Cables	Customizable
Color	Customizable
Feedback & switches	Hall sensor feedback Linear potentiometer

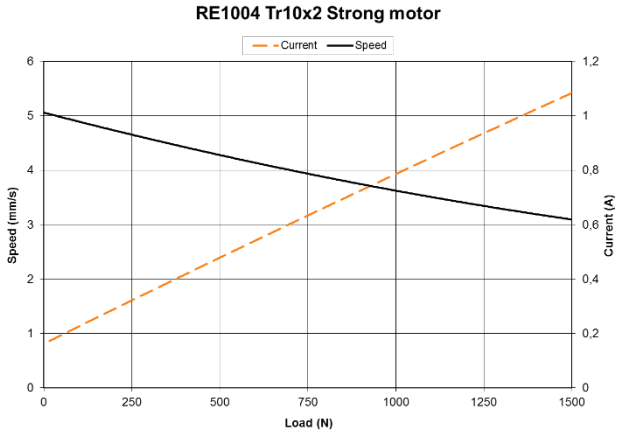
Dimensions

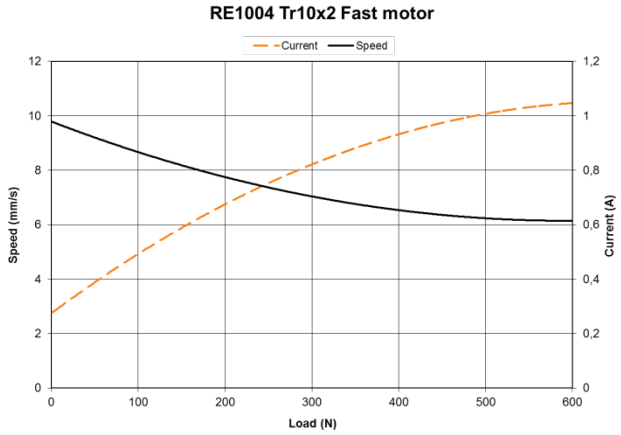


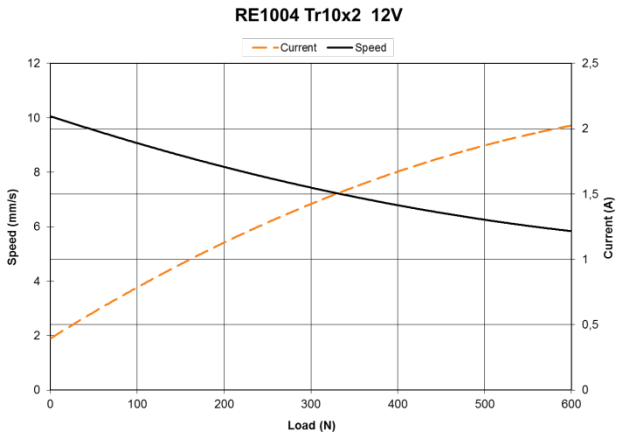
Performance, pitch 2mm

Chart showing force, speed and current for RE1004 with 2 mm pitch.

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	1500	1500	1500	5 / 3,0	0,15 / 1,1	Strong
2	600	600	600	10 / 6,0	0,2 / 1,1	Fast
2	600	600	600	10 / 5,9	0,3 / 2,1	12V





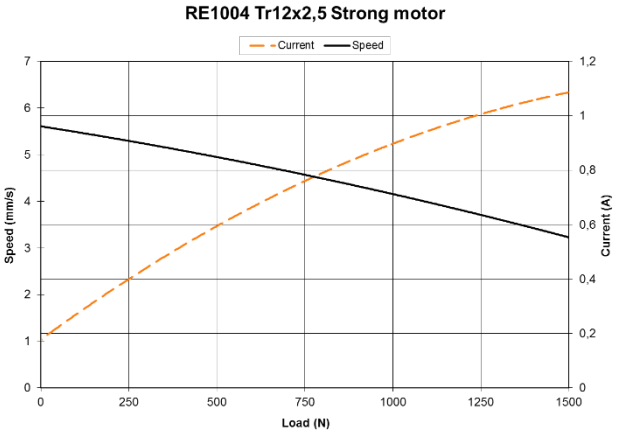


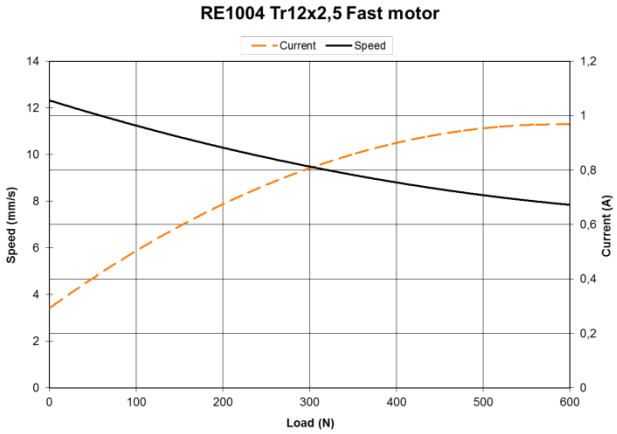
Charts show average figures for 24V actuator using stabilized power supply. All figures with ambient temperature of 20˚C. Accuracy: ±5

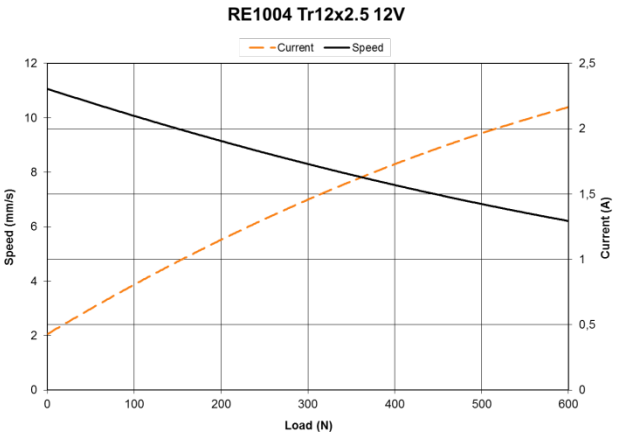
Performance, pitch 2,5mm

Chart showing force, speed and current for RE1004 with 2.5 mm pitch.

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	1500	1500	1500	5,5 / 3,0	0,12 / 1,1	Strong
2,5	600	600	600	12,5 / 7,5	0,2 / 1,0	Fast
2,5	600	600	600	11,0 / 6,3	0,3 / 2,2	12V





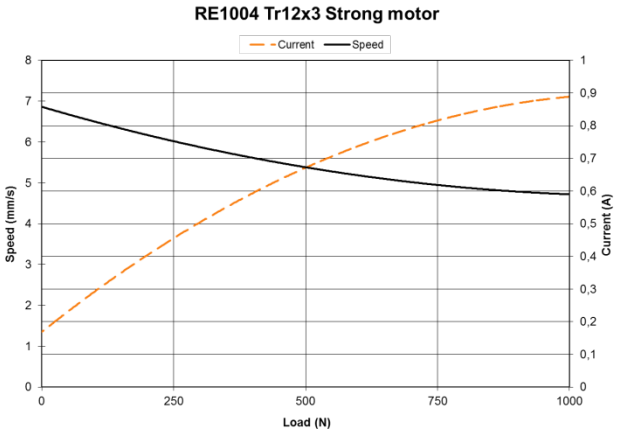


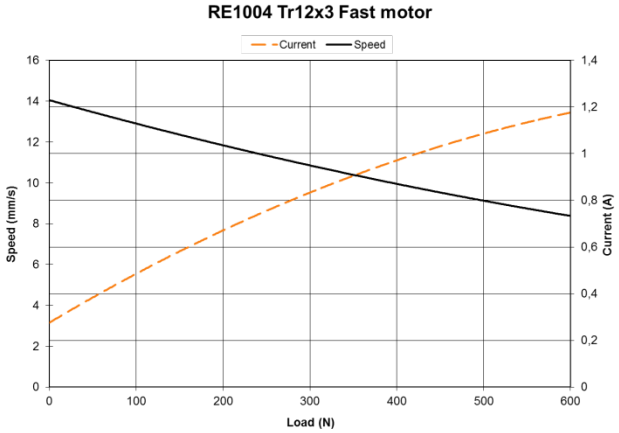
Charts show average figures for 24V actuator using stabilized power supply. All figures with ambient temperature of 20˚C. Accuracy: ±5

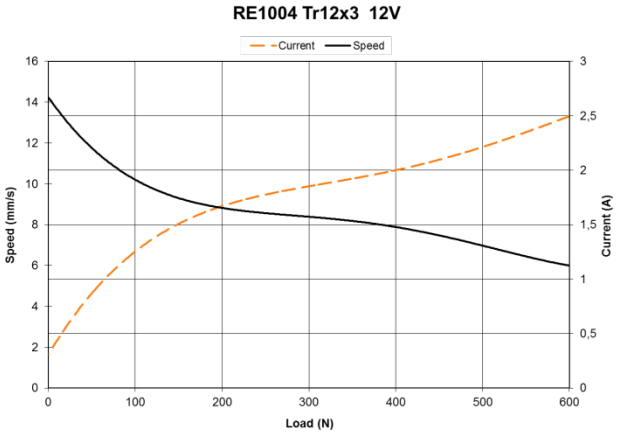
Performance, pitch 3mm

Chart showing force, speed and current for RE1004 with 3 mm pitch.

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	1000	1000	1000	6,5 /4,6	0,15 / 0,9	Strong
3	600	600	600	14 /8,3	0,2 / 1,2	Fast
3	600	600	600	14 /6,0	0,3 / 2,5	12V







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

REAC AB
J A Wettergrens gata 7
421 30 Västra Frölunda, Sweden

REAC Poland Sp. z o.o
Metalowców 10
97-300 Piotrków Trybunalski, Poland

www.reac-group.com
E-mail: info@reac.se
Phone: +46 532 78 50 00