

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.

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	197 - 218 mm + 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 holes	cyl 10/12mm, fork 10mm
Connection & cables	Cable 0,5m 2x0,5mm ² (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

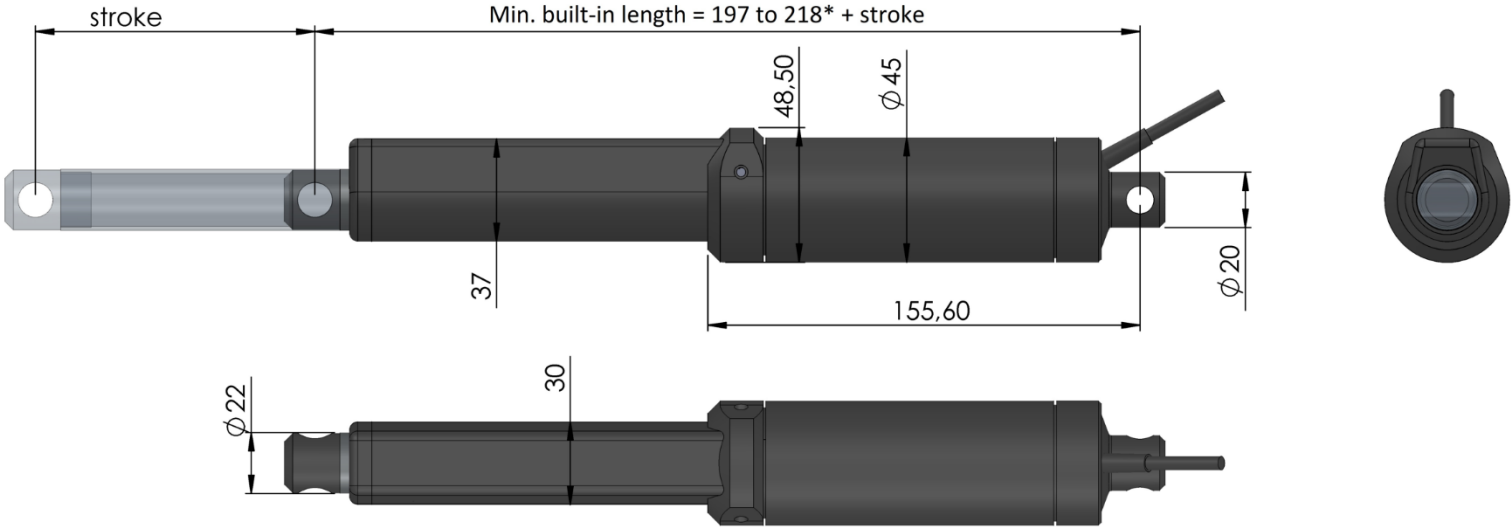
*depend on variant

Options

Stroke lengths (mm)	Customizable
Protection class	IPX0 with potentiometer feedback
Mounting brackets	Customizable
Connection & Cables	Customizable
Color	Customizable
Feedback & switches	Hall sensor feedback Linear potentiometer

Actuator RE1004

Dimensions

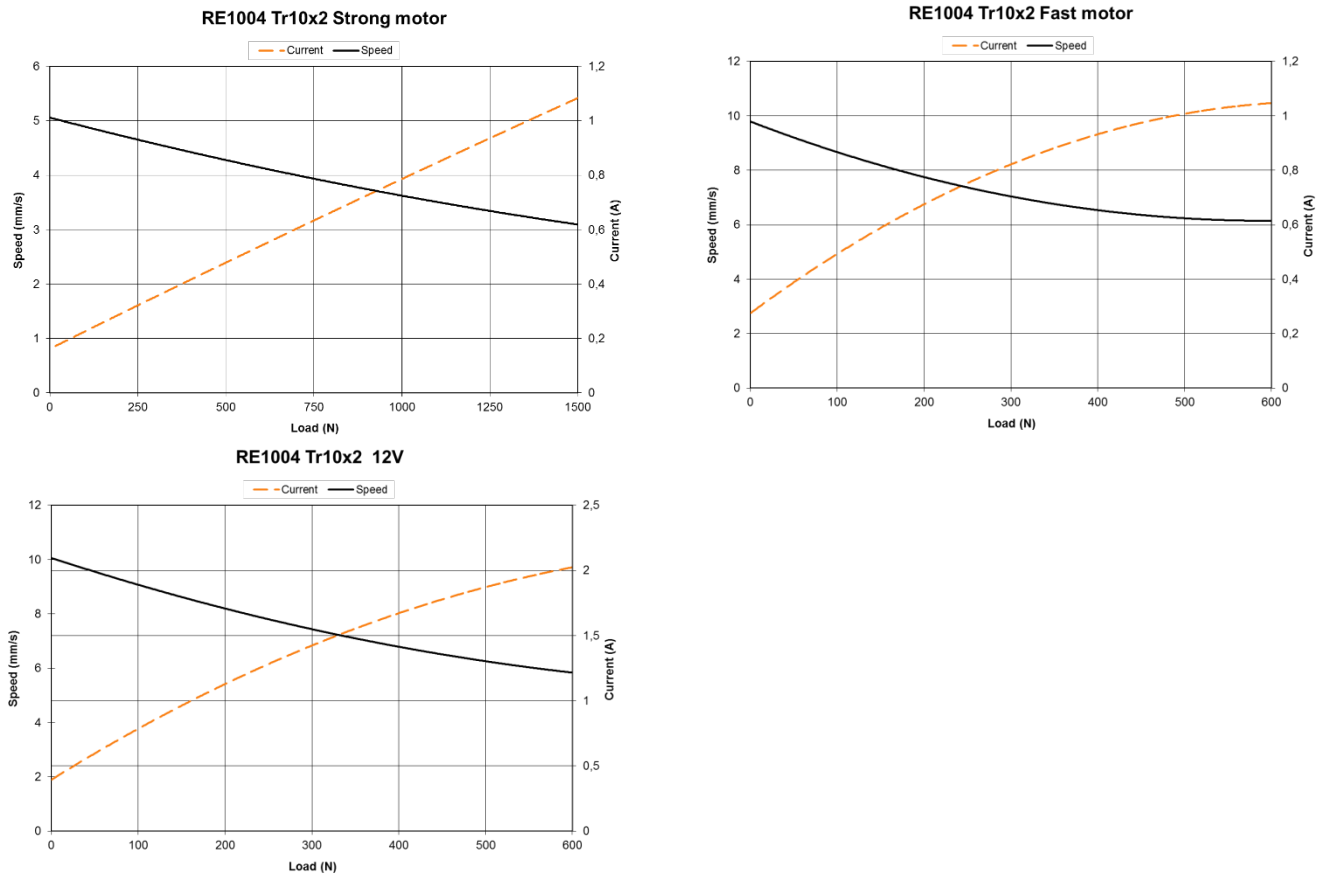


*- see RE1004 Configuration's Table for more details

Variants table

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]
RE1004 12V - 2	600	10	0.3	197 (+21mm with feedback)	600	5.9	2.1	50-150	IPX1	2
RE1004 12V - 2.5	600	11	0.3	197 (+21mm with feedback)	600	6.3	2.2	50-150	IPX1	2.5
RE1004 12V - 3	600	14	0.3	197 (+21mm with feedback)	600	6.0	2.5	50-150	IPX1	3
RE1004 FAST - 2	600	10	0.2	197 (+21mm with feedback)	600	6.0	1.1	50-150	IPX1	2
RE1004 FAST - 2.5	600	12.5	0.2	197 (+21mm with feedback)	600	7.5	1.0	50-150	IPX1	2.5
RE1004 FAST - 3	600	14	0.2	197 (+21mm with feedback)	600	8.3	1.2	50-150	IPX1	3
RE1004 STRONG - 2	1500	5	0.15	197 (+21mm with feedback)	1500	3.0	1.1	50-150	IPX1	2
RE1004 STRONG - 2.5	1500	5.5	0.12	197 (+21mm with feedback)	1500	3.0	1.1	50-150	IPX1	2.5
RE1004 STRONG - 3	1000	6.5	0.15	197 (+21mm with feedback)	1000	4.6	0.9	50-150	IPX1	3

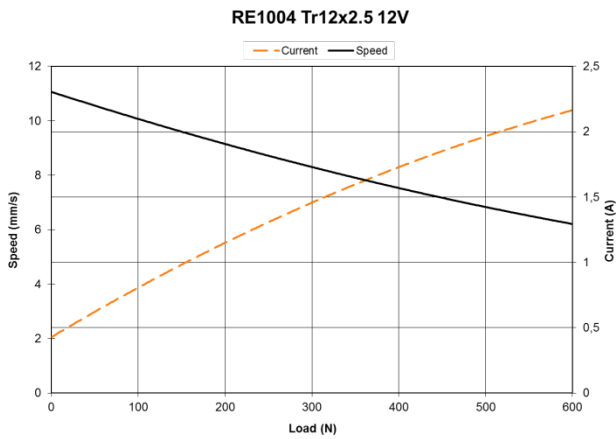
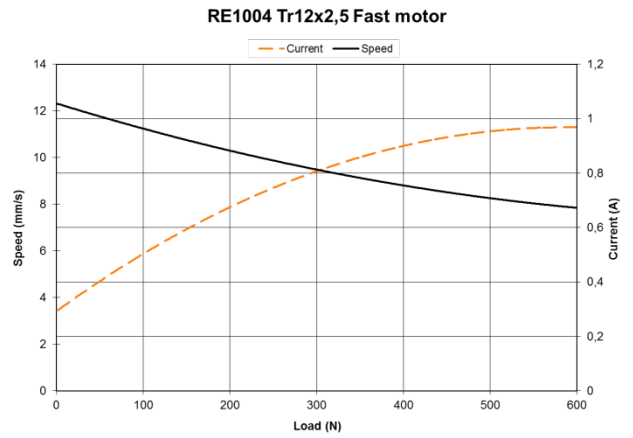
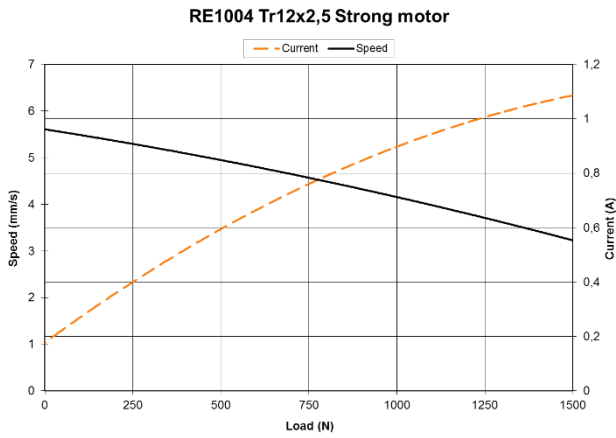
Performance charts



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

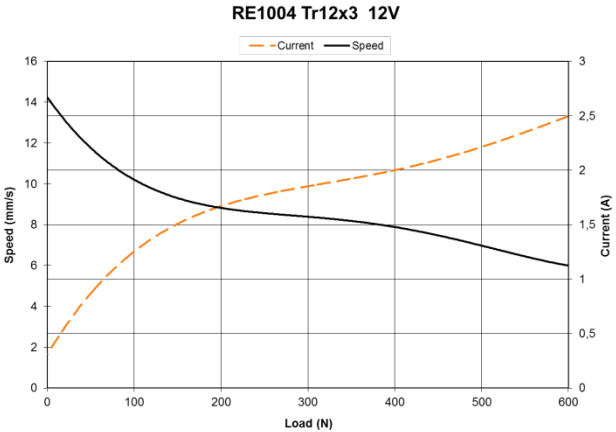
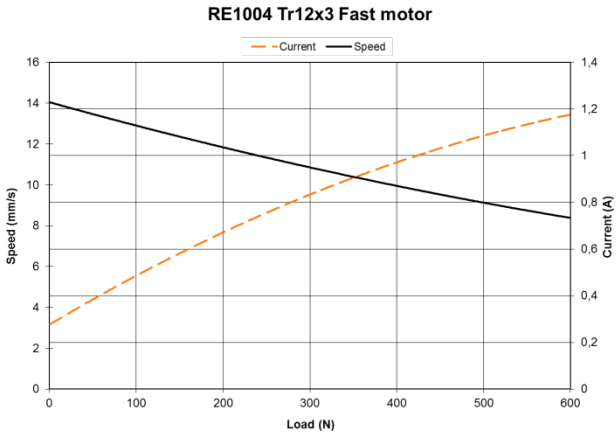
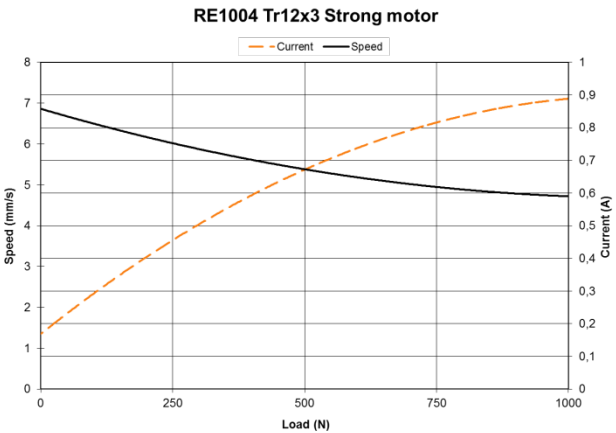
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REAC AB
J A Wettergrens gata 7
421 30 Västra Frölunda, Sweden

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

www.reac-group.com
E-mail: info@reac-group.com
Phone: +46 31 350 99 00