

## Actuator **RE1000**



RE1000 is a powerful inline actuator designed for rehabilitation applications and other areas where small overall dimensions and linear design are required.

**Standard features**

Max push force	600N - 2000N*
Max pull force	600N - 2000N*
Max speed (full load)	4.1 – 8.3 mm/s*
Max speed (no load)	8 – 16,5 mm/s*
Min built in length	155 -190mm*
Stroke lengths (mm)	50, 100, 150
IP-class	IPX4
Current consumption (full load)	1,0A – 1,5 A*
Current consumption (no load)	0,1A – 0,2A*
Feedback & switches	-
Motor	24VDC, standard, fast or strong
Mounting brackets holes	cyl 10/12mm, fork 10mm
Connection & cables	Cable 0,5m 2x0,5mm <sup>2</sup> (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

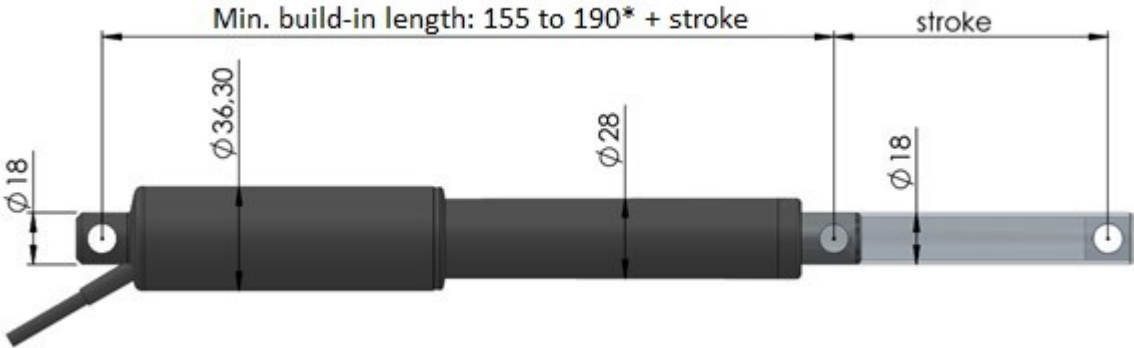
*\*depend on variant*

**Options**

Stroke lengths (mm)	Customizable
Protection class	IPX4
Mounting brackets	Customizable
Connection & Cables	Customizable
Color	Customizable
Feedback & switches	Hall sensor feedback, 1 or 2 channels Reed switch

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Dimensions

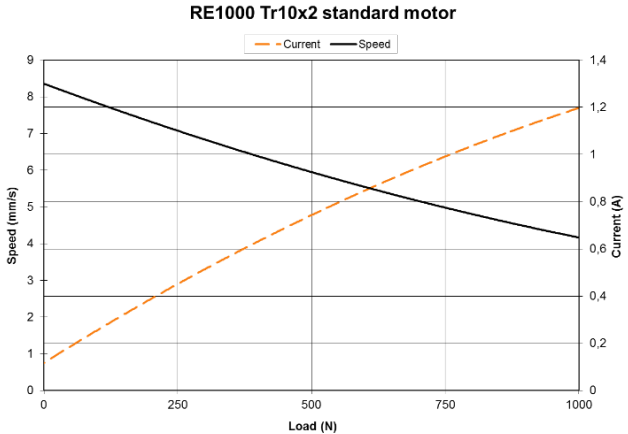
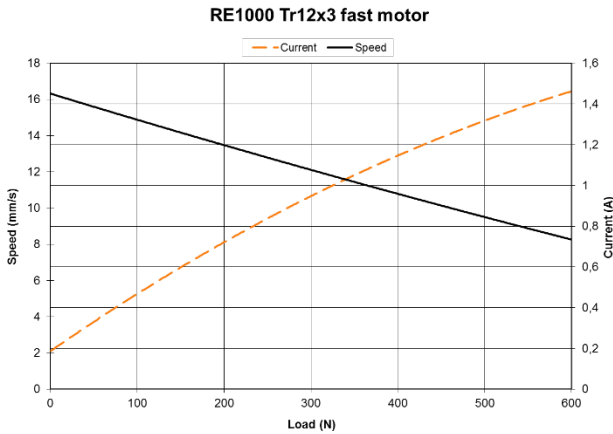
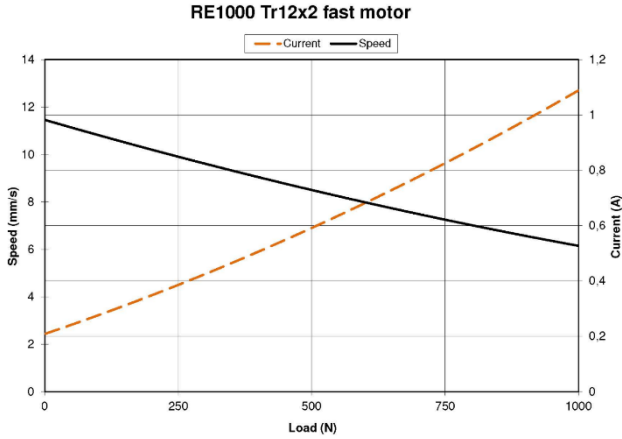
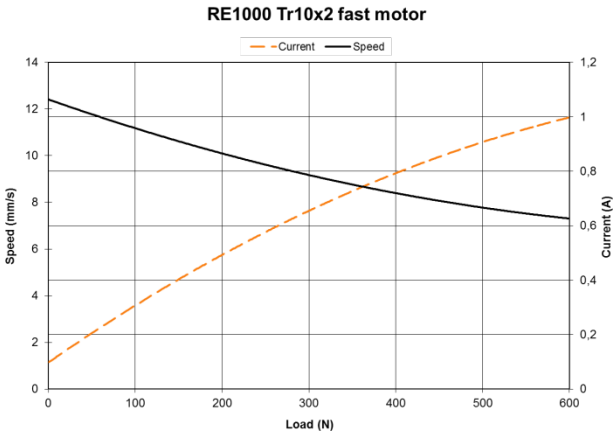


\*- see RE1000 Configuration's Table for more details

### 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]
RE1000 FAST-2	600	12.5	0.1	155 (+21mm with feedback)	600	7.3	1.0	50-150	IPX4	2
RE1000 FAST-2	1000	11	0.1	155 (+21mm with feedback)	600	6.0	1.1	50-150	IPX4	2
RE1000 FAST-3	600	16	0.1	155 (+21mm with feedback)	600	8.3	1.5	50-150	IPX4	3
RE1000 STANDARD-2	1000	8	0.1	155 (+21mm with feedback)	1000	4.1	1.2	50-150	IPX4	2
RE1000 STANDARD-2	1250	8	0.1	155 (+21mm with feedback)	1250	5.0	1.0	50-150	IPX4	2
RE1000 STANDARD-3	1000	12.5	0.1	155 (+21mm with feedback)	1000	5.2	1.5	50-150	IPX4	3
RE1000 STRONG-2	2000	6.5	0.2	172 (+18mm with feedback)	2000	5.4	1.5	50-150	IPX4	2

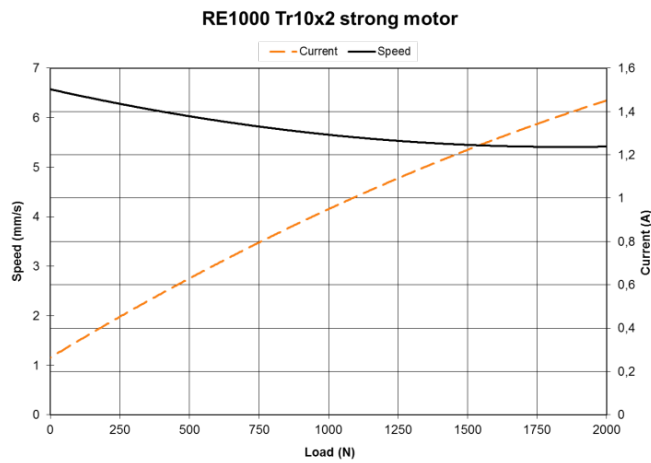
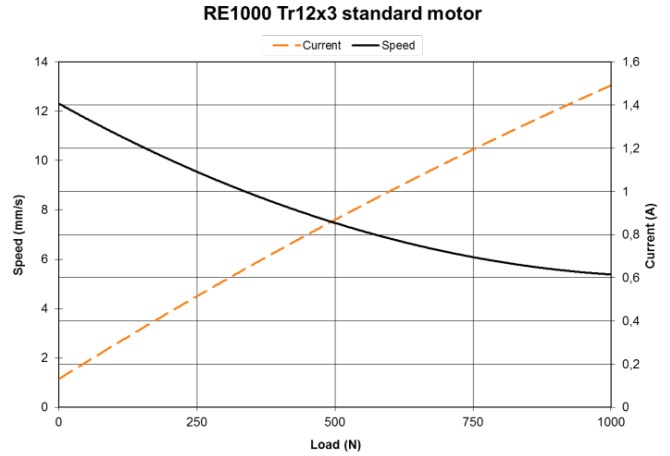
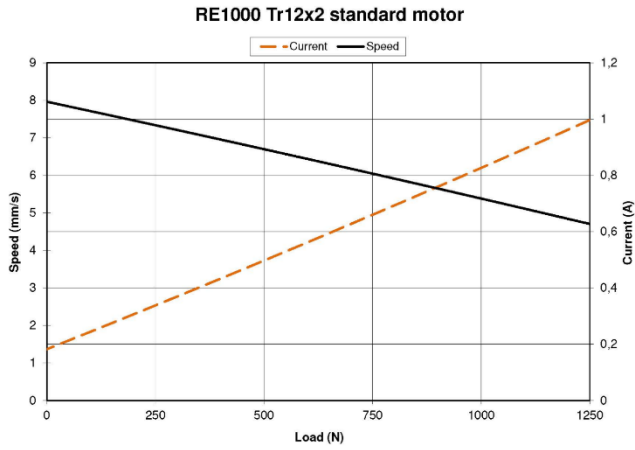
### Performance charts



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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## Performance charts



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

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