

RA-38

In-line actuator series



High lifting force



Equal Push
Pull force



Compact size



Elegant design



Customizable



Easy installation



Maintenance free



Quiet operation

Deliberately simple, essential design

The RA-38 linear actuator provides reliability and precision in a light and easy-to-integrate solution, adapting to the smallest spaces with ease.

With an elegant design, it's the ideal choice for all types of applications where a tilt, lift, pull or push force of up to 2.000 N (450 lbf) is required.



Main features



Powerful

Loads of up to 2.000 N
(450 lbf)



Fast

Up to 17,5 mm/s
(0,7 in)



Safe

Overcurrent protection



Resistant

IP54 rating
Aluminum housing
Stainless steel rod

General specifications

Stroke	37 50 73 80 100 mm	1,5 2 2,9 3,2 4 in
Max. load	2.000 N at 2,9 mm/s	450 lbf at 0,11 in/s
Max. speed (no load)	17,5 mm/s	0,7 in/s
Power supply	24 VDC	
Max. current	2,4 A	
Starting current	3,5 A	
Connector	Molex 39-01-2066	
IP Rating	IP54	
Weight	600 - 700 g	1,3 - 1,5 lb
Housing material	Aluminium	
Rod material	Polished stainless steel	
Color	Anodized black (RAL 9005)	
Mounting holes diameter	Standard: 8,1 or 10,1 mm Clevis: 10,1 mm	Standard: 0,7 or 0,4 in Clevis: 0,4 in
Cable length	150 or 500 mm	6 or 20 in
Operating temperature	-20°C to 50°C	-4 °F to 122 °F
Storage temperature	-30°C to 70°C	-22 °F to 158 °F
Lead	4,5 mm (500 N - 1.000 N) 2 mm (2.000 N)	0,18 in (112 lbf - 225 lbf) 0,08 in (449,6 lbf)
Duty cycle	10% (2 out of 20 min.)	

Customizable upon request

Stroke length, anodized colors, cable length, dimensions, connectors, brackets.

Please, contact info@regner.es for customized configurations.

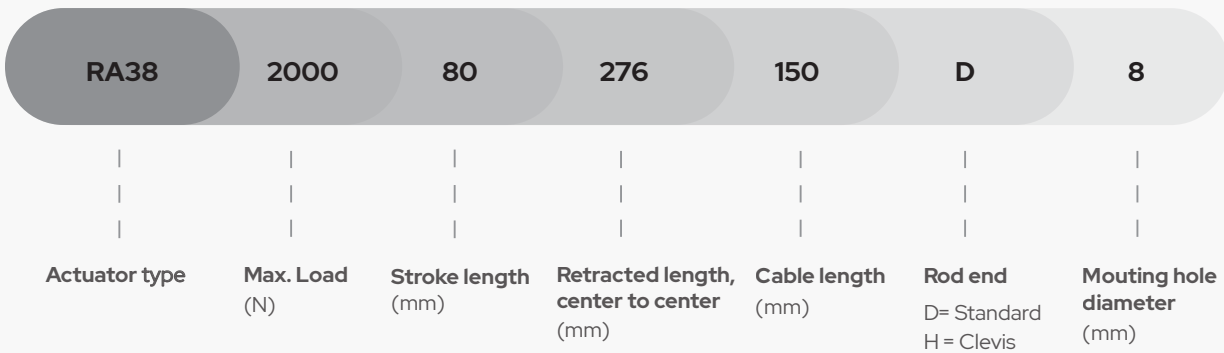
Preset configurations

1.000 N - 224,81

RA38.1000.73.230.500.D8
RA38.1000.100.256.500.D8
RA38.1000.100.256.500.D10

2.000 N - 449,6 lbf

RA38.2000.37.230.100.D8
RA38.2000.50.276.150.D8
RA38.2000.80.276.150.D8
RA38.2000.80.296.150.H10
RA38.2000.100.296.500.H10

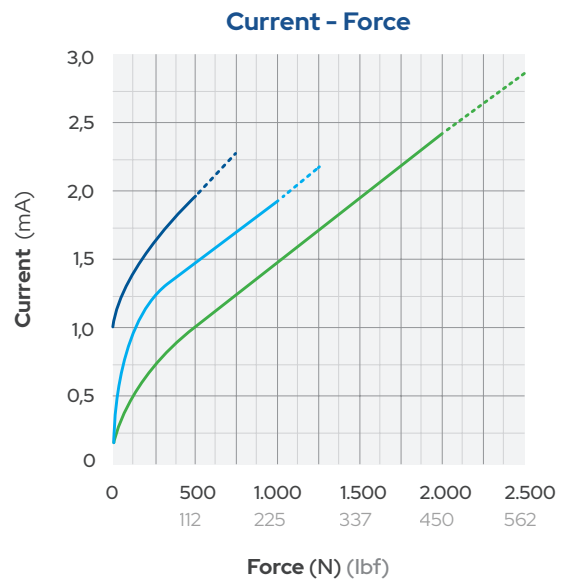
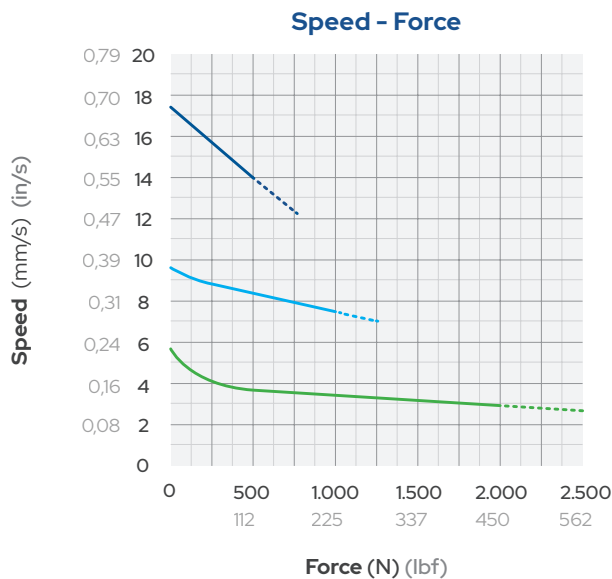


Force, speed and current

Force (N) (lbf)		No load	250 N 56 lbf	500 N 112 lbf
RA-38 500 N - 112,4 lbf	Average current (mA)	1,0	1,7	1,9
	Speed (mm/s) (in/s)	17,5 - 0,69	15,7 - 0,62	14,0 - 0,55

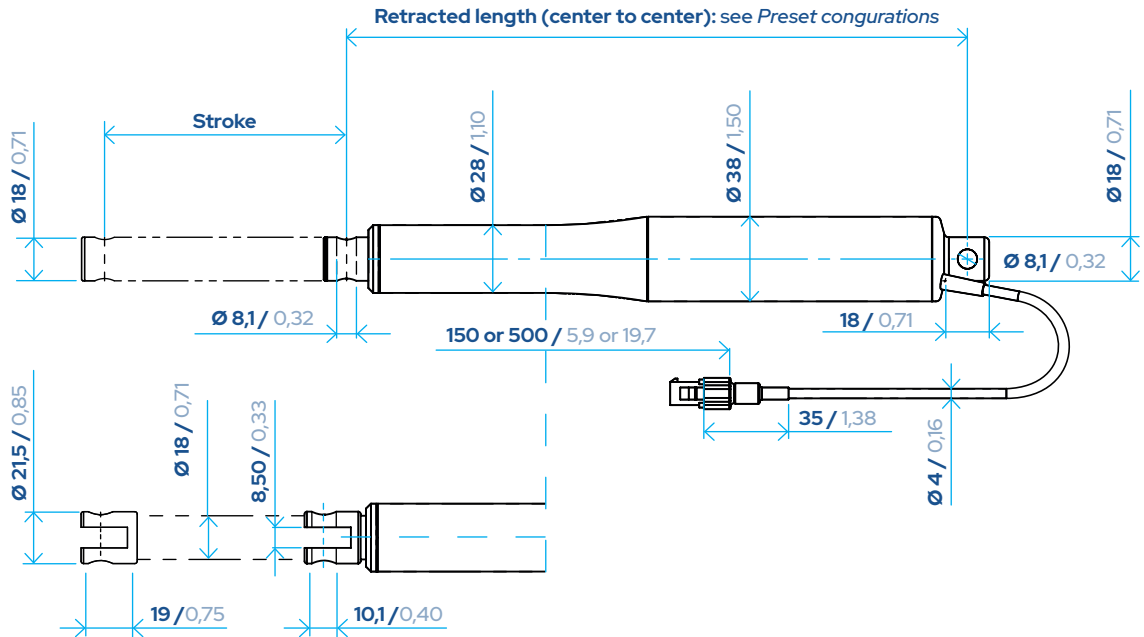
Force (N) (lbf)		No load	250 N 56 lbf	500 N 112 lbf	750 N 169 lbf	1.000 N 225 lbf
RA-38 1.000 N - 224,8 lbf	Average current (mA)	0,2	1,1	1,4	1,6	1,9
	Speed (mm/s) (in/s)	9,5 - 0,37	8,7 - 0,34	8,4 - 0,33	8,0 - 0,31	7,4 - 0,29

Force (N) (lbf)		No load	500 N 112 lbf	1.000 N 225 lbf	1.500 N 337 lbf	2.000 N 450 lbf
RA-38 2.000 N - 449,6 lbf	Average current (mA)	0,2	1,0	1,5	1,9	2,4
	Speed (mm/s) (in/s)	5,8 - 0,23	3,8 - 0,15	3,6 - 0,14	3,3 - 0,13	2,9 - 0,11

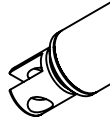


Use in the dashed area is not recommended.
The above values are with a room temperature of 20 °C / 68 °F.

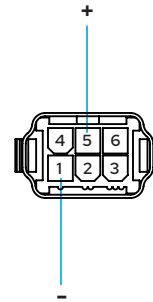
Dimensions (mm) (in)



Standard
rod end



Clevis
rod end



Positive voltage **extends**,
Negative voltage **retracts**

Molex 39-01-2066
(View from wire insertion end)



Forging ahead to achieve high quality

ISO 9001 Quality management
ISO 14001 Environmental management system
ISO 13485 Medical devices

We use **high quality components and apply semiauto-**
matic production and rigorous testing to verify and
validate each motion control solution before they leave
our premises. Plus, our management systems, which are
continuously audited, ensure optimized agile manufacturing.
All these measures translate into high quality products.

Every single **RA-38** undergoes strict QC assessments
during production in order to guarantee optimal perfor-
mance and durability.

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