



FICHA TÉCNICA

## RA38IS IN-LINE ACTUATOR SERIES



HIGH SPEED



EQUAL PUSH/PULL FORCE



COMPACT SIZE



ELEGANT DESIGN



EASY INSTALLATION



MAINTENANCE FREE



READY FOR INDUCTIVE SENSORS



OVERCURRENT PROTECTION



QUIET OPERATION



CUSTOMIZABLE

## RELIABLE MOTION WITH EXTERNAL CONTROL

The RA38 IS linear actuator offers reliability and accuracy packed in a lightweight and easily integrable solution ready to be externally controlled with inductive sensors. It features a stylish design and can steadily tilt, lift, pull or push loads up to 400 N.

### Main features

- **Powerful:** loads of up to 400 N
- **Fast:** up to 20 mm/s
- **Resistant:** IP54 rating, aluminum housing, stainless steel rod
- **Safe:** overcurrent protection
- **Controllable:** ready to be operated with external inductive sensors
- **Customizable:** stroke, dimensions, anodized colors, connectors, cable lengths, brackets

### Main applications

- Food machinery
- Industrial automation
- Ergonomic medical furniture
- Robotics
- Safety equipment
- Household automation equipment
- Automotive industry

## Technical specifications

### General specifications

<b>Stroke</b>	140 mm
<b>Max. load</b>	400 N at 7.2 mm/s
<b>Max. speed (no load)</b>	20 mm/s
<b>Power supply</b>	24 VDC
<b>Max. current</b>	1.6 A
<b>Starting current</b>	2.0 A
<b>Overcurrent protection</b>	2.2 A
<b>Connector</b>	Molex 39-01-2066
<b>IP rating</b>	IP54
<b>Weight</b>	700 g (140 mm stroke)
<b>Housing material</b>	Aluminum
<b>Rod material</b>	Polished stainless steel
<b>Color</b>	Silver
<b>Front mounting</b>	M16
<b>Cable length</b>	500 mm
<b>Operating temperature</b>	-20 °C to +50 °C
<b>Storage temperature</b>	-30 °C to +70 °C
<b>Duty cycle</b>	10 % (2 out of 20 minutes)



### Ready to be controlled with inductive sensors

The inner magnetic nut and the cylindrical shape of the housing enable the RA38IS to be externally operated with any commercial inductive sensor.

### Overcurrent Protection

In the event of an obstruction or an excessive load, the overcurrent protection feature will cut off the current at 2,2 A to protect the actuator.

### Customizable upon request

Stroke length (10 - 100 mm)

Dimensions

Anodized colors

Connectors

Cable length

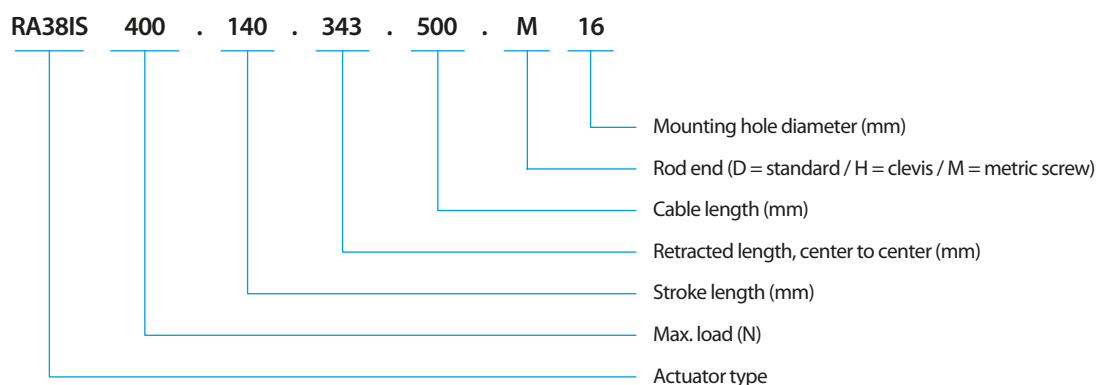
Brackets

Please, contact [info@regner.es](mailto:info@regner.es) for customized configurations.

## Preset configuration

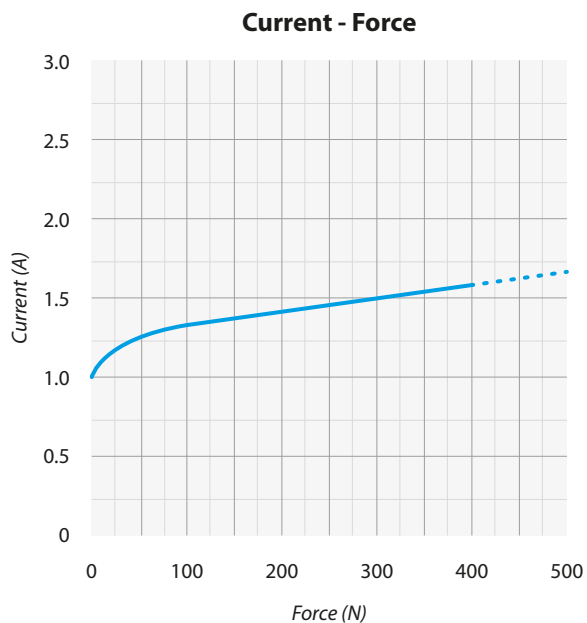
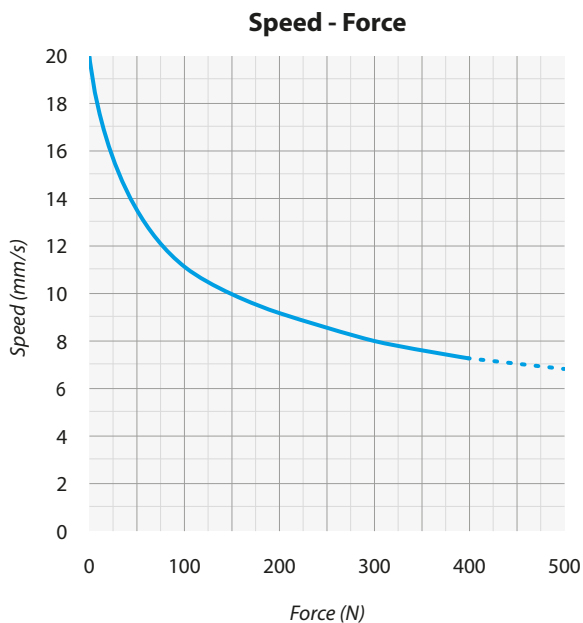
<b>Max. peak load</b>	400 N a 7,2 mm/s
<b>Max. speed (no load)</b>	20 mm/s
<b>Max. current</b>	1,6 A
<b>Lead</b>	4.5 mm
<b>Retracted length (center to center)</b>	346 mm
<b>Stroke</b>	140 mm
<b>Front rod end</b>	M16 screw
<b>Back end</b>	4 x M8

## Ordering example



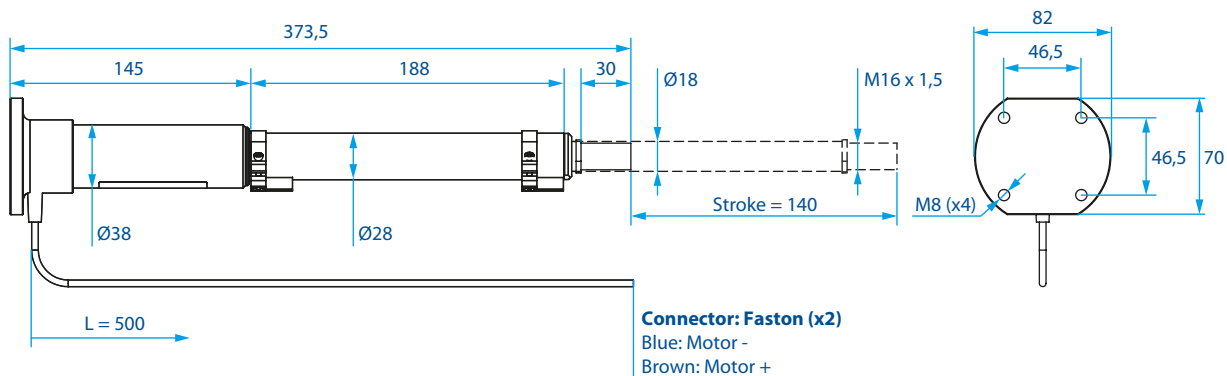
## Force, speed and current

Force (N)	No load	100 N	200 N	300 N	400 N
Current (A)	1.0	1.3	1.4	1.5	1.6
Speed (mm/s)	20.0	11.0	9.1	8.0	7.2



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

## Dimensions (mm)



## Quality

### Forging ahead to achieve high quality

• We use high quality components and apply semiautomatic 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.

### RA38IS Quality control

• Every single RA38IS undergoes strict QC assessments during production in order to guarantee optimal performance and durability.

### Certifications

- ISO 9001:2008 *Quality management*
- ISO 14001:2004 *Environmental management system*
- ISO 13485:2012 *Medical devices*

Quiet  
Durable  
Easy  
Efficient  
Powerful  
Elegant  
Customizable

