

# PRODUCT DATASHEET

## LM2000 Spindle Actuator

Suitable for use in smoke and natural ventilators

### Technical

Voltage: 24 Vdc +/-15%

Ampere : 3.0 A

Stroke: 100 -1,000mm (P type for stroke≤500mm, G type for stroke>500mm)

Push/Pull forces : 2000N

Clamping forces: 5,000N  
(based on manufacturers bracket)

Load Speed: 8 mm/s

Housing: Extruded Aluminum

Finishes: Anodized RAL9006

Cable: 1 meter silicon cable

Ingress Protection: IP 54

Endurance: 10,000 cycles  
30% duty cycle

Weight : 6kg (700mm)

Synchronization: internal



### Description

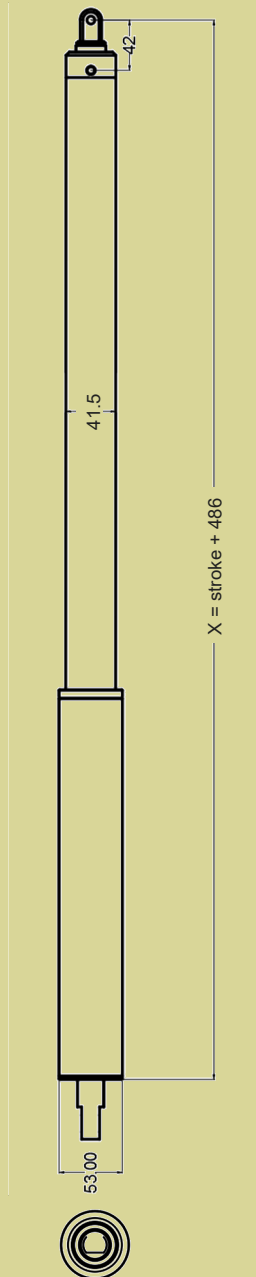
Designed for application of heavy window and façade automation system. Ideal for natural and smoke ventilation application. Strong linear actuator for used in heavy roof ventilator or big windows.

### Features

- Strong linear actuator for up to 2000N, and 1000mm stroke.
- Corrosion resistance.
- Meets B300 (300°C 30 Mins) EN 12101-2 annex G.
- Meets EN12101-2 annex C cycling test for 10,000 cycles.
- soft opening, water seal relief and finger protection.
- Able to open 1000mm in 60 seconds for bottom-hung application\* optional
- Built-in micro processor to realize intelligent synchronization and constant speed control. Speed and force are configurable on site.
- IP65 class ingress protection

# PRODUCT DATASHEET

## Dimension



Stroke (mm)	X (mm)
100	586
300	786
500	986
600	1086
700	1186
1000	1486

Order code	Description
S20.E.D.100.A.L0	Spindle actuator,2000N, Stroke 100mm, (bracket not included)
S20.E.D.300.A.L0	Spindle actuator,2000N, Stroke 300mm, (bracket not included)
S20.E.D.500.A.L0	Spindle actuator,2000N, Stroke 500mm, (bracket not included)
S20.E.D.600.A.L0	Spindle actuator,2000N, Stroke 600mm, (bracket not included)
S20.E.D.700.A.L0	Spindle actuator,2000N, Stroke 700mm, (bracket not included)
S20.E.D.1K0.A.L0	Spindle actuator,2000N, Stroke 1000mm, (bracket not included)

## How to order VARIANCES

**S20**

S20 =2000N

**E**

E = intElligent

**D**

D = 24Vdc  
A= 230Vac

**XXX**

Stroke  
1000mm = 1K0  
500mm = 500  
250mm = 250

**A**

S = Silver (RAL 9006)  
B = Black  
A = Anodized



Use of improper brackets will damage windows and actuators or reduce their useful life, please contact our sales for special brackets supply. The brackets drawings are updated from time to time, visit our website for more information.