



WMS 409

## Spindle actuator 900N



Natural ventilation      Smoke ventilation      Smoke ventilation ±24V control EN 12101

6.25

### Description

- for smoke and comfort ventilation
- approved according to EN 12101-2 with selected profiles – please contact WindowMaster for further information
- complete opening of the window within 60 sec. (depending on the programming)
- strong actuator suitable for roof openings
- to be used together with ±24V control units
- soft close function
- built-in electronic load switch-off/end stop
- electronic actuator with micro controller
- the actuator has an integrated reverse function to ensure a prolonged life span of the window gaskets
- easy mounting
- maintenance free through permanent lubrication
- outer parts corrosion-free
- heat resistant silicone connection cable

Technical specifications	
<b>Pressure / Tractive force</b>	900N / 900N
<b>Locking force</b>	2850N (break in force)
<b>Spindle stroke</b>	300, 500, 750 and 1000mm
<b>Opening speed</b>	12.5mm/s (full load)
<b>Nominel voltage</b>	24V DC (max. 10% ripple)
<b>Voltage</b>	19 - 32V DC
<b>Open circuit voltage</b>	Max. 32V DC
<b>Current consumption</b>	1.8A
<b>Consumption of energy</b>	Max. 44W
<b>Operating conditions</b>	-5°C - +74°C max. 90% relative humidity (not condensing)
<b>Switch on duration</b>	ED 30% (max. 3min. per 10min.)
<b>Material</b>	Aluminium
<b>Colour</b>	Aluminium EV1, other RAL-colour available at extra cost
<b>Dimension</b>	Ø36mm, length (L) depending on spindle length - see table
<b>Connection cable</b>	5m grey connection cable in silicone 3-core 0.75mm <sup>2</sup> Ø7.0mm
<b>Weight</b>	See table
<b>IP rating</b>	IP54 according to EN 50529
<b>Life span</b>	Tested with 10,000 opening and closing movements
<b>EN certification</b>	Approved according to EN 12101-2 with selected profiles – please contact WindowMaster for further information
<b>Delivery includes</b>	Spindle actuator with 5m connection cable
<b>Note</b>	We reserve the right to make technical changes and correct typing errors

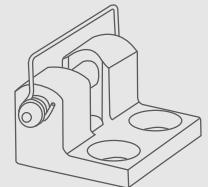
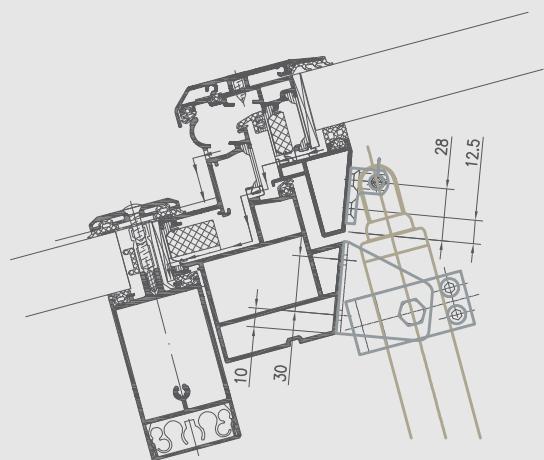
Stroke	Length (L)	Weight	Item no.
300mm	675mm	1,8	WMS 409 EN 0300 0103*
500mm	875mm	2,3	WMS 409 EN 0500 0103*
750mm	1125mm	2,7	WMS 409 EN 0750 0103*
1000mm	1375mm	3,1	WMS 409 1000 0103

\*For actuator approved according to EN 12101-2 the item number must contain EN.

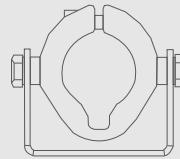
Brackets	Item no.
Actuator bracket with clamping ring – 40mm	WSB 300 0001
Actuator bracket with clamping ring – 73 / 86mm	WSB 300 0002
Actuator bracket with clamping ring – 65mm	WSB 300 0003
Bottom screw	WSB 300 0004
Bracket with bolt and retaining cotter pin	WSB 300 0010
Bracket with fixing bolt	WSB 300 0011
Bracket with pin and retaining bracket	WSB 300 0012

See separate product sheets for further information.

### Installation suggestion 1

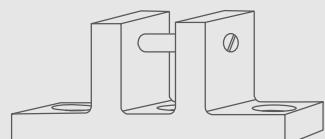
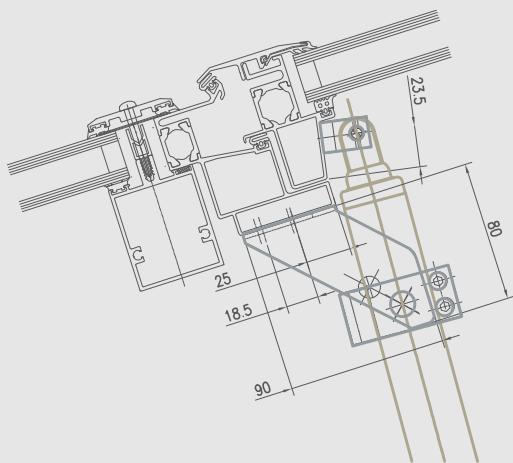


WSB 300 0012

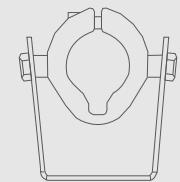


WSB 300 0001

### Installation suggestion 2

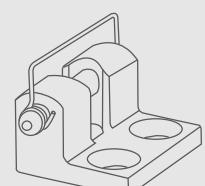
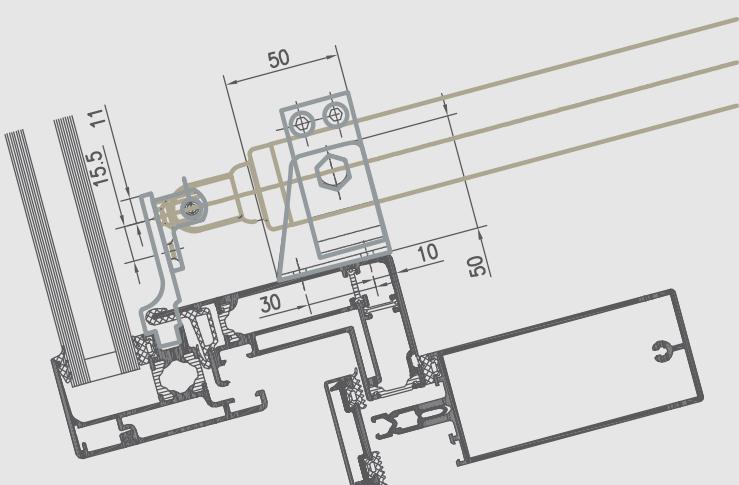


WSB 300 0011

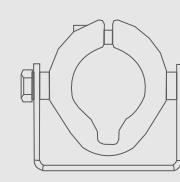


WSB 300 0003

### Installation suggestion 3



WSB 300 0012



WSB 300 0001

WMS 409

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