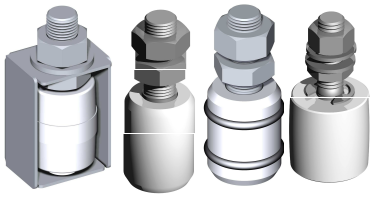
VA3101

TOP GUIDES ROLLERS

Nylon guide rollers for sliding gates. Fixing: nuts or bolts (included in the pack).



Product family
VA3101-VA3102-VA3103- VA3105-VA3121-VA3131

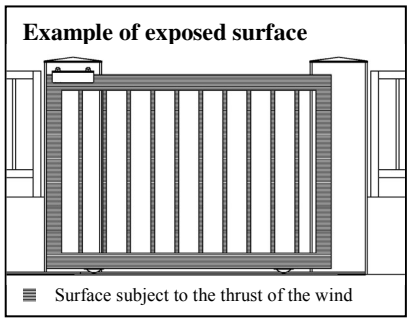
TECHNICAL INFO

Article	VA3102.T30	VA3102.T37 VA3103.N38 VA3103.N34	VA3101.A25 VA3101.A30 VA3121.A30 VA3131.A30	VA3105.A40 VA3105.A40.1 VA3105.B40 VA3121.B40 VA3131.B40	VA3101.A40 VA3101.B40	VA3101.i60 VA3105.i60 VA3105.i60.1 VA3105.i52 VA3105.i52.1 VA3131.i60
Load [kg]	120	180	200	280	400	500

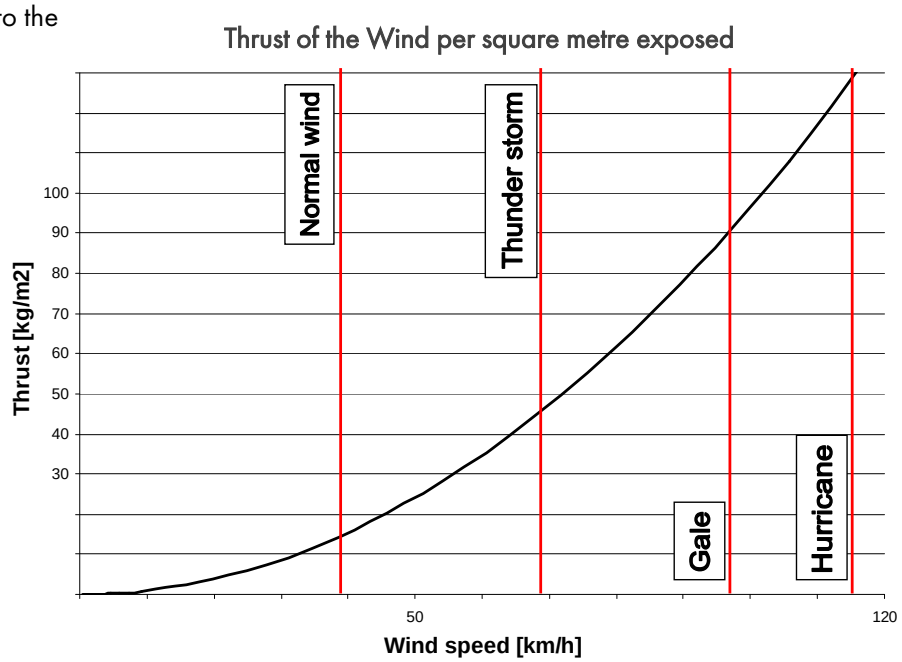
Thrust of the wind:
The table indicates the resistance of each type of guide roller in relation to the static load (not impact) perpendicular to the same. The graph shows the thrust of the wind per m2 of exposed surface in relation to

per m^2 of exposed surface in relation t

The exposed surface is intended only as the section of the gate that provides resistance to the wind.



To select the most suitable guide roller it is sufficient to calculate the 10 exposed surface in m2 and establish the 0 speed of the maximum wind to resist,and then multiply the thrust taken from the graph by the exposed surface. You must use a guide roller with a sustainable load higher than this value. e.g.: with a wind at 70 km/h you get a thrust of about 47 kg/m2; if the exposed surface is 4.5 m2 the load is 47×4.5=211.5 kg. You must use at least art. 114.1 which supports a load of 280 kg.



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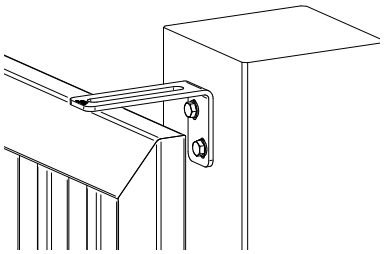
To dimension the gate on the basis of the guide roller (e.g. art. 117) on the other hand, simply divide its sustainable load by the corresponding thrust taken from the graph, thereby finding the usable exposed surface in m2. Therefore 200/47 = 4.25m2.

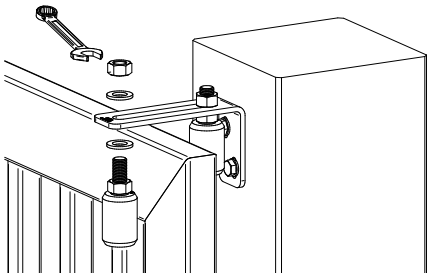
N.B. The loads in the table refer to one guide roller and therefore the sustainable load will be proportional to the number of guide rollers used.
It is important to appropriately dimension the support the guide rollers will be fixed to, in such a way as to resist the envisaged loads.

1



Fix the support to the post in the correct position and drill it in order to be able to insert the guide rollers

2



Insert the guide rollers in the holes and fix them by means of the provided nuts and bolts which can also be used for any adjustments.

MAINTENANCE

1. Final check after the installation and periodic verification of the lubrication and installation of the telescopic wheel
2. . In case of malfunction due to mechanical s ess or accidental impact and / or failure of the mechanism, verify carefully the functional condition of the telescopic wheel and in case, proceed with the replacement

Attention: *The accessories and the proposed installation make reference to a standard example. An installation not in accordance with the illustrated procedure and the omission of the correct maintenance might compromise nearby things and people's security. Make sure that all accessories suit the specific work and make sure to use the necessary safety devices provided by current regulations.*
For more information: info@facsrl.com