

## ADS 400 set for the wicket — convenient installation!

Due to the design gate profiles series ADS 400 and wickets can be manufactured in one style. Configuration of profiles makes it possible to manufacture gates with various types of opening and installation.

### Wicket with hinges

Standard set includes frame from aluminium profiles, filling and fittings. Installation and fixing of filling are the same as for sliding and swinging gates.

Angle joints are mounted with the help of button contracted angle or aluminium angle connector. Button angles ensure simple installation of the gate. Moreover, it doesn't require installation of additional equipment for embedding angle connections.

Passage dimensions	Height (m) from 1,2 to 3,0	Width (m) from 1,0 to 1,5
Type of wicket installation	Laid-on	Inbuilt
Direction of opening	Inside	Inside / outside

Wicket and wings of swinging gates are fixed with the help of reliable high-quality 3-sectional hinges produced by FAPIM which ensures the absence of sagging of the wings and wicket in the process of operating.

Frame and wings are manufactured from anti-corrosive aluminium profiles with a filling of either, sandwich-panels, aluminium profiles, rolled profiles or any other flat material with a thickness of up to 45 mm.

To ensure additional safety of your property it is possible to install automatic electric lock. It serves for remote opening of the gates and is mounted together with intercoms and other systems for access control. There is a ready-made groove for electric lock installation.

## Design advantages

### Combination of filling types

Installation of a separating profile allows to install combined filling in one frame.

### High reliability

Perfect design, high durability of profiles and set provide reliable and long-term operation of the gates.

Minimal endurance is up to 25 000 cycles. It equals approximately to 10 years of operating (4 cycles of opening/closing per day).

### Resistance to corrosion

All main components are made of polymer painted aluminium profile in order to avoid corrosion and prolong the life of the gate.



## Set for sliding gates

Roller bearing with steel rollers



Roller bearing with plastic rollers



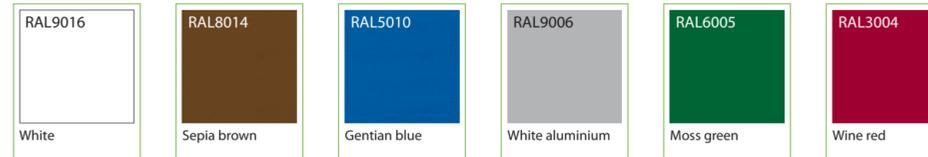
Steel rack bar



Plastic rack bar



## Standard colours of sandwich panels



### Design of sandwich panels



### Sandwich panels with a woodgrain embossment



## Standard colours of roller profiles AG/77, AG77/H



## Automation NICE for swinging and sliding gates

Devices manufactured by Nice are perfect to automate swinging and sliding gates – simply press the button on remote control panel to operate all gates simultaneously or separately.



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## SYSTEM OF SWINGING GATES, SLIDING GATES AND WICKETS

### SERIES ADS 400

- Quick installation
- Convenient installation
- Technical support
- Wide colour selection
- Various types of filling

## ADS 400 set for sliding gates — reliable, safe, elegant

System of profiles and components for ALUTECH ADS 400 is used to manufacture swinging, sliding gates and wickets for private and commercial facilities.

ADS 400 allows to manufacture sliding self-bearing gates. Gates movement is performed on the roller bearings mounted on the foundation (behind the passage).

Gates design includes a frame assembled from the extruded aluminium profiles. Roller bearings with plastic rollers, height adjustable plastic rack bar ensure quiet operation of the gates.

Unique configuration of the upper frame profile ensures additional rigidity and provides elegant design to the upper part of the gates.

Multipurpose aluminium profile of the strip 96x177 mm combined with the frame profile ensures high rigidity, strength and reliability of the sliding gates.



Passage dimensions (for the profile 96x177 mm)	Height (m) from 1,2 to 3,2	Width (m) from 2,0 to 5,0
Installation type	Laid-on	
Direction of opening	Left / right	

## Advantages of the construction



### Hidden fixing

Absence of visible fixing elements ensures esthetic design of the gate. Hidden fixing provides higher level of protection from an unauthorized access.

### Simple installation of the frame

While installing the frame one should performed only drilling and cutting actions, there is no need to perform any milling of the impost profile. The installation is very quick as the on-site labour is minimal.

### Simple installation of the filling

Filling is installed in the groove of the frame profile, fixed with self-tapping screws, then the fillet profile is installed.

The above again excludes on-site labour dismantling the frame and filling.

### Technical support

To install the filling in the groove of the frame profile it is necessary only to dismantle fillet profile and change the damaged element.

With laid-on installation it is necessary to dismantle the profile of lattice or solid filling, then change the reciprocal construction — mounting profile fixed on the frame.

## Profile design of ALUTECH ADS 400 — There are more than 20 types of filling for gate leaf and/or wicket door

### Variants of internal filling (into the groove of profile frame)



Solid filling with 45 mm thick sandwich panels



Solid filling with 87 mm thick aluminium profile



Solid filling with 37 and/or 82 mm thick aluminium profile



Rarefied filling with 37 and/or 82 mm thick aluminium profile



Solid filling with rolling profiles AG/77, AG77/H



Solid filling with plate material: prof-list and other



Combined filling with sandwich panel and aluminium profile



Combined filling with profile AG/77 and aluminium profile

### Variants of laid-on filling



Rarefied filling with 37 and/or 82 mm thick aluminium profile



Solid filling with 37 and/or 82 mm thick aluminium profile



Solid filling with 82 mm thick aluminium profile



Rarefied filling with plate material: wood plank and other

### Variants of upper profile design with laid-on filling



Pitched to sides/from the middle



Diagonal bevel



Arc up/down



Rack-like

## ADS 400 set for swinging gates and wickets — diversity of design

High-tech system, wide selection of colours, various types of filling (structure, material, upper profile design) allows for the manufacture and offers customised designs of swinging gates and wickets.

Due to their design the ready-made gates can be manufactured both with laid-on and internal types of filling. Special profiles of the fillet ensure installation of the filling with the thickness up to 45 mm. When dealing with internal type of filling the installation and fixing of filling is performed in the groove of the frame, when dealing with laid-on type of filling — it is performed directly on the profile of the frame.

At the customers request it is possible to manufacture the gate leaf with solid, rarefied or combined filling. Filling installation can be performed horizontally or vertically.

For additional reinforcement and automation of swinging gates series ADS400 we install the profile of impost which is included in the standard set for the ready-made product. Height of the profile installation depends on the type and form of filling. EPDM-seal installed between the fillet profile and filling ensures the safety of filling and allows to avoid the gaps in the gates and wickets.

The possibility to install different types of filling and combinations allows the manufacturer to offer to the customer various gate designs: from economic to deluxe.

Passage dimensions	Height (m) from 1,2 to 3,2	Width (m) from 2,0 to 5,0
Type of installation	Laid-on	Inbuilt
Direction of opening	Inside	Inside / outside

## Components for swinging gates and wickets



Handle



Hinges



Lock



Electric lock



Locking bar