

# EXTERNAL DOOR RapidRoll® 3000



## Data Sheet High Speed Roll Door RapidRoll 3000

The Roll Door with DiscDrive-Technology

Winding mechanism (DiscDrive) limits noise and wear - Unique design for long term constant use.

Reduced crash damage thanks to flexible and hingeless connected profiles.

High safety level due to the patented pre-running safety photocell as touch less safety device.

**NOMAFÄ**  
Industrie-Tor-Systeme  
**SCHIEFFER**  
TOR-UND SCHIEFFER-TECHNIK  
**JANSEN**  
TOR-TECHNIK  
consolidated to:

**ALBANY**  
DOOR SYSTEMS  
NOMAFÄ SCHIEFFER JANSEN

A company of Albany International Corp.

# High Speed Roll Door

## RapidRoll 3000



### Technical Data

Interior door:	suitable
Exterior door:	suitable
Wind resistance:	class 3, EN 12424
Mounting:	Inside
Clear opening size (mm):	W min.: 1250 W max.: 5000 H min.: 2500 H max.: 5000

### Control system: speed open/close up to max. Connection

ACS 80	standard	2,5 / 0,7 m/s 3/(N)/PE 400 V ± 10 %, 50/60 Hz
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#### ACS 80

Fuse protection in control box:	10 A
Control voltage :	24 V DC
Protection :	IP 55
Additional opening heights:	standard
Potential free contacts max. 250 V:	optional
Motor power:	1,10 kW
Size of control box:	500 x 500 x 210 mm

### Traffic light

Pre-runtime control system	
- without direction detection:	optional
- with direction detection:	optional
Flashing alarm light:	optional
Error message:	plain text

Drive:	electrically
Chain drive:	-
Running direction:	vertically
Opening frequency in continuous operation	
< = 2 each minute:	standard
> 2 each minute:	optional

### Surface

Door curtain profiles:	aluminium, anodised, ecru
Other metal parts:	steel, galvanised
Side columns:	steel, galvanised
Top roll:	steel
Cover top roll:	-
Drive cover:	optional

### Door curtain profiles

Door curtain profiles with windows:	optional
Door curtain profiles coloured:	-

### Safeties

Safety contact edge electrical:	-
Lengthened flexible seal:	optional
Safety photocell pre-running:	standard
Safety photocell stationary:	standard
Curtain tension:	standard
Counterbalance:	standard
Fall down protection:	tension springs, multi redundant
Self opening, partly:	standard
Manual activation:	standard, by releasing the brake with bowden lever from the floor
Break release lever outside:	optional

### Advantages of ALBANY's RapidRoll 3000:

- a simple and resourcefully winding mechanism limits noise and wear
- reduced crash damage thanks to flexible and hingeless connected profiles
- patented pre-running safety photocell as touch less safety device on the main closing edge

### Applications

Aluminium RapidRoll door, vertically running, as exterior closure for high frequented openings

### General Application

If not explicit describes others, our doors are developed and tested to use under normal conditions. By using under special conditions (e.g. partial permanent load by temperature, over- / under pressure, or specific environment impact etc.), please decide in each case for the adequate solution. We like to give you advise.

### Design

The door curtain exists of single aluminium profiles, each other hingeless connected, by means of flexible laterally high performance tension elements. This leads to long service intervals. The flexible connection avoids also the otherwise normally damaging of the hinges. The top ends of the tension elements are connected on both sides with the winding modules, which allows a touchless winding of the door profiles.

The side frames and crossbars are galvanised steel. All side frames elements are pre-mounted as well as the top roll with the curtain (profiles).

### Door curtain / Curtain tension

The door curtain consists of ecru, anodised aluminium profiles. Each profile is separate fixed and simple and fast to replace. A constantly acting door curtain tension caters for a smooth and steady-going moving.

### Drive unit

Gear motor; normally to be right hand, if required left hand available.

### Control box

ACS 80 – see technical data.

As a standard a 5000 mm control cable is supplied with the box.

### Safety features

This door conforms with the regulations of the Workplace Directive of the UVV as well as the harmonised CE Guidelines including the prEN 13241.

### Indication of risks

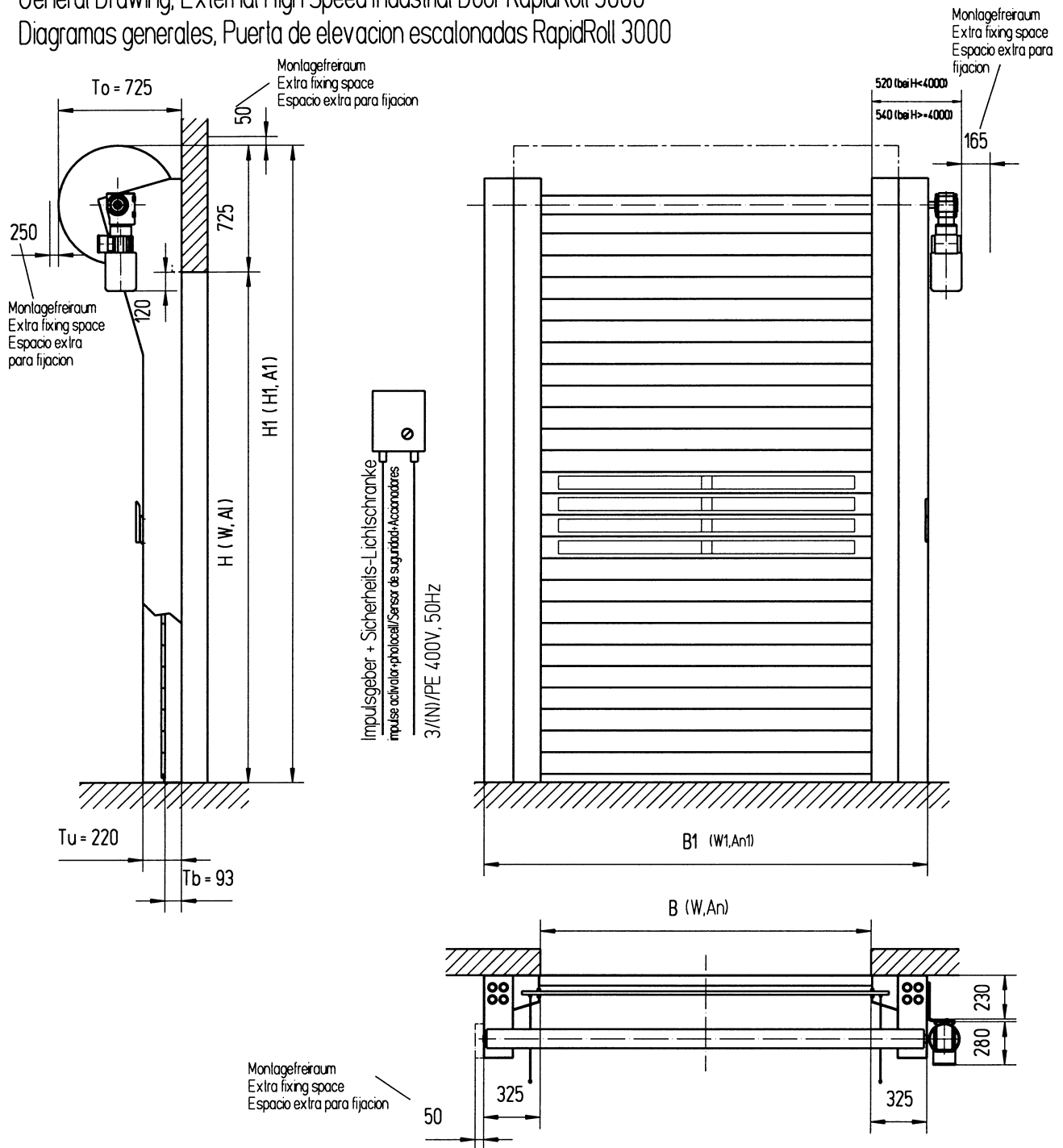
The security of the door is designed for the normal use of vehicles corresponding to the harmonised CE-Guidelines. In consideration of the situation on site – especially in case of use by pedestrians - additional security measures or impulse activators may be necessary.

In case of any doubt please contact our sales engineer to receive counselling on site.

### Manual activation

In the event of a power failure, the door can be opened by releasing the brake manually. Depending on the width/height ratio, the door opens partly by means of the pre-stressed tension springs

## General Drawing, External High Speed Industrial Door RapidRoll 3000 Diagramas generales, Puerta de elevacion escalonadas RapidRoll 3000

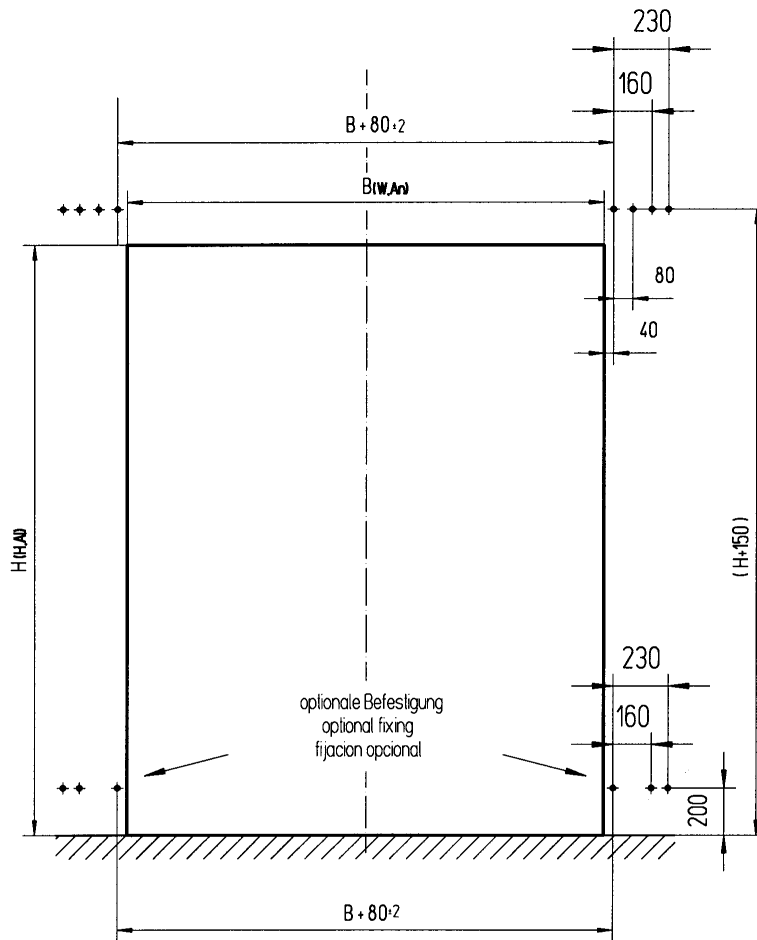


Steuerung/Control unit/Control	FUS
Offnungsgeschwindigkeit/ Opening speed/Velocidad de cierre apertura	max [m/s] 2,5
Schließgeschwindigkeit Closing speed/Velocidad de cierra	max [m/s] 0,7

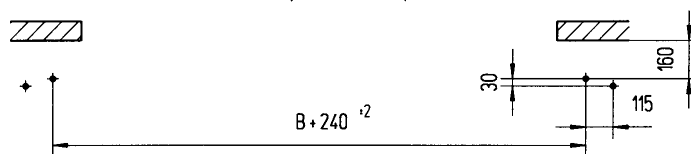
Lieferbare Größen  
available sizes/medidas de entrega:

B min	1250	H min	2500
B max	5000	H max	5000

# Fixing Plan RapidRoll 3000



Befestigungsschrauben M12 oder vergleichbare  
fixing screws M12 or comparables  
tornillos de sujecion M12 o comparables



Zg.-Nr. 8300R0007/1  
Stand 2003-10-14

[www.albanydoors.com](http://www.albanydoors.com)

## Australia · ALBANY DOOR SYSTEMS

23 Faunce St. West Gosford-2250 NSW  
Phone: +61 (0) 2/43 23 23 86 · Fax: +61 (0) 2/43 29 11 45  
sales.ads.au@albint.com

## Austria · ALBANY DOOR SYSTEMS

Kirchenplatz 2 · A-4522 Sierning  
Phone: +43 (0) 72 59/43 77 · Fax: +43 (0) 72 59/43 77 14  
info.ads.at@albint.com

## Belgium · ALBANY DOOR SYSTEMS

5 Rue Théophile Delbar · B-1410 Waterloo  
Phone: +32 (0) 2/354 32 86 · Fax: +32 (0)2/354 60 27  
sales.ads.be@albint.com

## Denmark · ALBANY DOOR SYSTEMS

Graham Bells Vej 27 · DK-8200 Aarhus  
Phone: +45 70 20 78 88 · Fax: +45 70 20 78 79  
sales.ads.dk@albint.com

## France · ALBANY DOOR SYSTEMS

1-3 Route de Strasbourg · F-67603 Sélestat Cedex  
Phone: +33 (0) 3 88/82 47 82 · Fax: +33 (0) 3 88/92 23 42  
info.ads.fr@albint.com

## Germany · ALBANY DOOR SYSTEMS

Am Mondschein 25 · D-59557 Lippstadt  
Phone: +49 (0) 29 41/7 66-0 · Fax: +49 (0) 29 41/766-294  
verkauf.ads.de@albint.com

## Netherlands · ALBANY DOOR SYSTEMS

Postbus 83 · NL-2740 AB Waddinxveen  
Phone: +31 (0) 1 82/61 94 55 · Fax: +31 (0) 1 82/61 89 47  
info.ads.nl@albint.com

## Norway · ALBANY DOOR SYSTEMS

Postboks 625 · N-1411 Kolbotn  
Phone: +47 66 81 70 10 · Fax: +47 (0) 66 81 72 90  
sales.ads.no@albint.com

## Poland · ALBANY DOOR SYSTEMS

Ul. Kolisty 25 · PL-40-486 Katowice  
Phone: +48 (0) 32/7 35 03 11 · Fax: +48 (0) 32/7 35 03 10  
sales.ads.pl@albint.com

## Sweden · ALBANY DOOR SYSTEMS

Box 509 · S-301 80 Halmstad  
Phone: +46 (0) 35/14 73 00 · Fax: +46 (0) 35/14 73 99  
sales.ads.se@albint.com

## Switzerland · ALBANY DOOR SYSTEMS

Bungertweg 1 · CH-8303 Bassersdorf  
Phone: +41 (0) 21/9 38 57 00 · Fax: +41 (0) 1/8 38 57 09  
info.ads.ch@albint.com

## Switzerland · ALBANY DOOR SYSTEMS

Chemin de Lussy 28 · CH-1806 St. Léger VD  
Phone: +41 (0) 21/9 43 51 21 · Fax: +41 (0) 121/9 43 51 21  
info.ads.ch@albint.com

## USA · ALBANY DOOR SYSTEMS

975-A Old Norcross Road-Lawrenceville-GA 30045-4321  
Phone: +1 (0) 7 70/338/5000 · Fax: +1 (0) 770/3 38 50 24  
sales.ads.us@albint.com