

# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES



## INDICE

1. Code registry
2. Description
3. Use
4. Anchor points
5. Application models
6. Resistance values
7. Installation tips
8. Technical specification

## 1. CODE REGISTRY

Code	Description	Measures (mm)	Weight (kg)	Colour	Pkg. / Pallet
ZIN35-1798/8MY	DK-MY FIX Support with aluminum plates	80 x 125 x 280	0,860	Black	12 pc. / - pc.
ZIN35-1798/10MY	DK-MY FIX Support with aluminum plates	100 x 125 x 280	0,960	Black	12 pc. / - pc.
ZIN35-1798/12MY	DK-MY FIX Support with aluminum plates	120 x 125 x 280	1,00	Black	12 pc. / - pc.
ZIN35-1798/14MY	DK-MY FIX Support with aluminum plates	140 x 125 x 280	1,05	Black	12 pc. / - pc.
ZIN35-1798/16MY	DK-MY FIX Support with aluminum plates	160 x 125 x 280	1,10	Black	12 pc. / - pc.
ZIN35-1798/18MY *	DK-MY FIX Support with aluminum plates	180 x 125 x 280	1,15	Black	12 pc. / - pc.
ZIN35-1798/20MY *	DK-MY FIX Support with aluminum plates	200 x 125 x 280	1,20	Black	12 pc. / - pc.

**MATERIAL** Made of polypropylene with aluminum inserts

\* to order

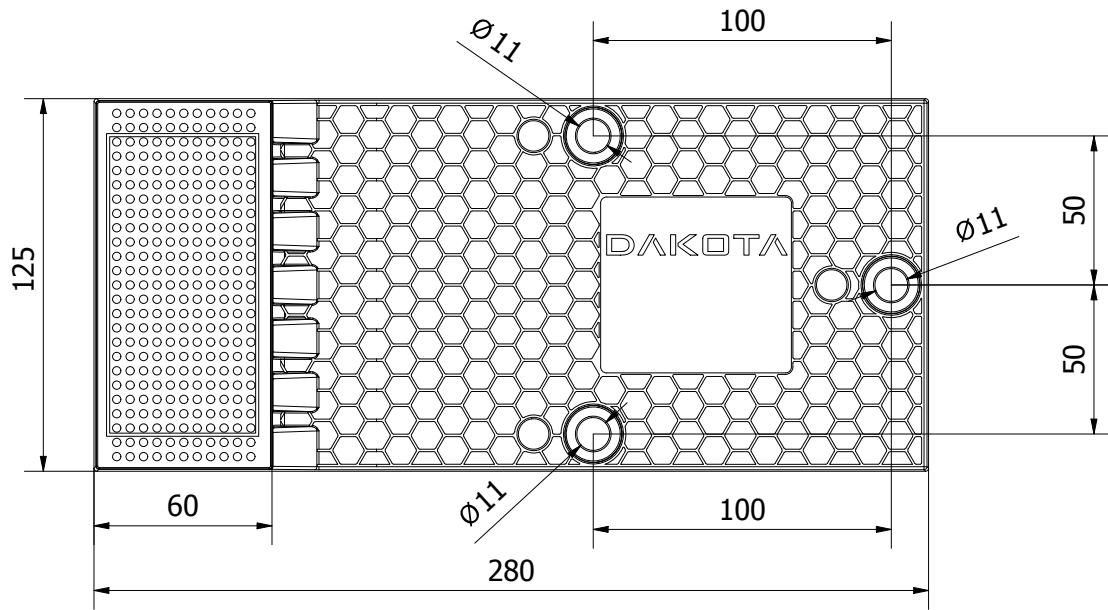
## 2. DESCRIPTION

Rigid, CFC-free and rot-proof support, reinforced with two aluminum plates. Element supplied with bag containing three dowels with screws for mounting. Sizes available from 80, 100, 120, 140, 160, 180 and 200

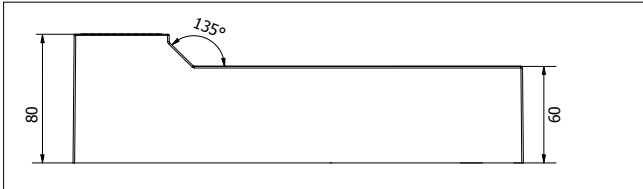
## 3. USE

Support element for the external mounting of elements (such as hinges for window frames or anchorage points) ensuring the absence of thermal bridges

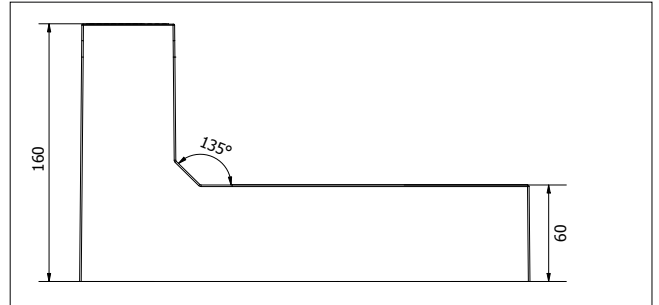
# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES



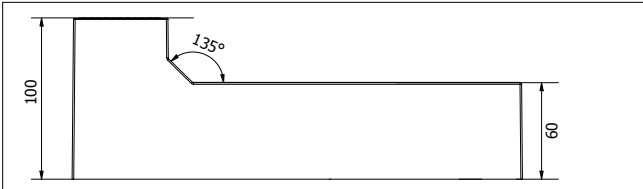
ZIN35-1798/8MY h 80 mm



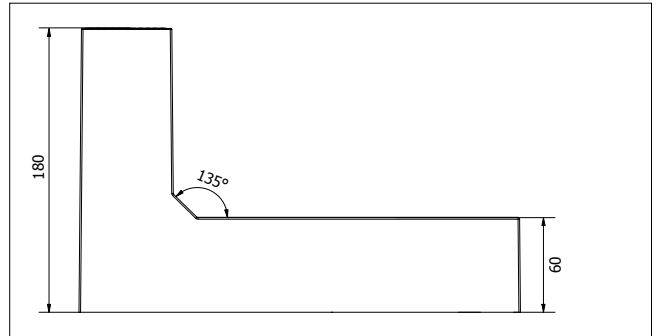
ZIN35-1798/16MY h 160 mm



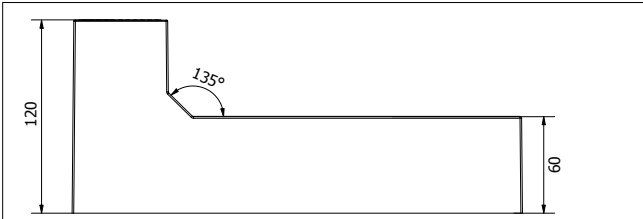
ZIN35-1798/10MY h 100 mm



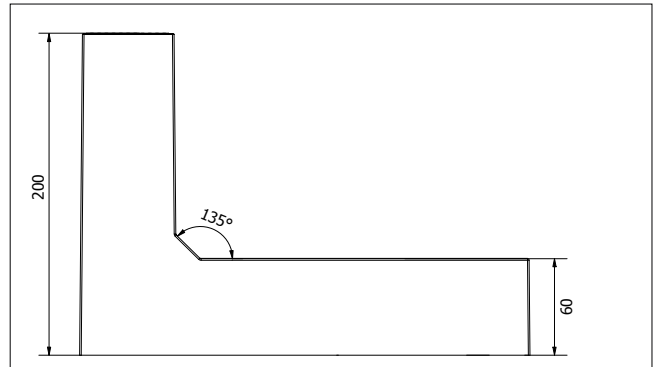
ZIN35-1798/18MY h 180 mm



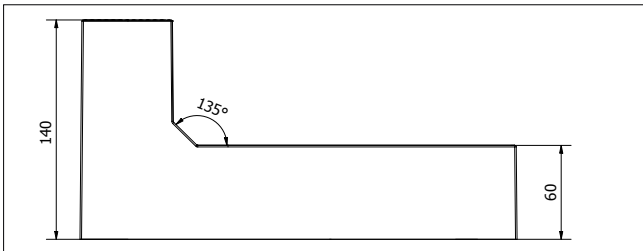
ZIN35-1798/12MY h 120 mm



ZIN35-1798/20MY h 200 mm

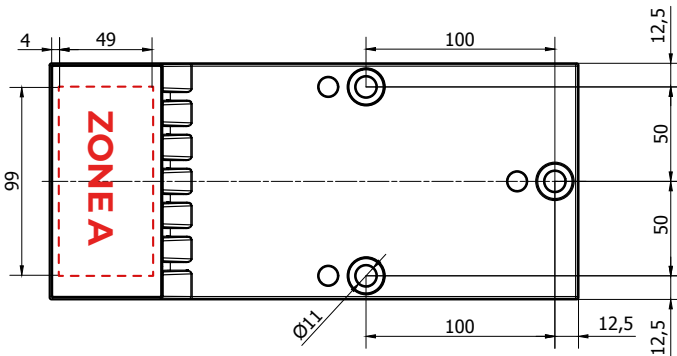
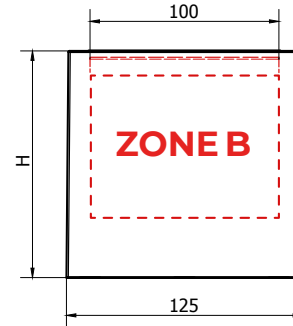
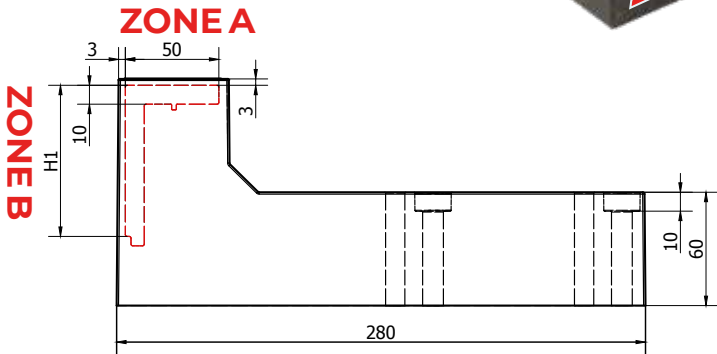


ZIN35-1798/14MY h 140 mm



# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES

## 4. ANCHOR POINT



Product	TDK-MY FIX AL						
H[mm]	80	100	120	140	160	180	200
H1[mm]	60	80	80	80	80	80	80

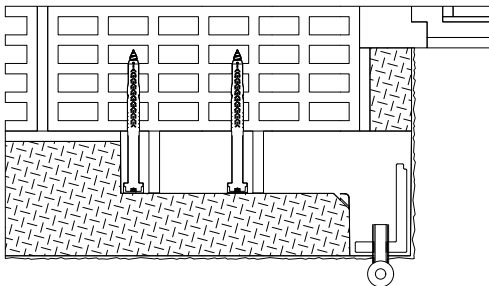
A characteristic feature of DK-MY FIX is the presence of aluminum plates for frontal and **lateral** anchoring of support elements such as hinges for window frames, window balusters, rails for sliding shutters, parapets, and railings, allowing greater adhesion to the support for screwing elements.

This support also prevents thermal bridging during shutter installation, ensuring accurate installation.

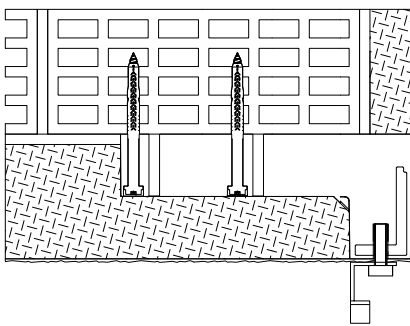
# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES

## 5. APPLICATION MODELS

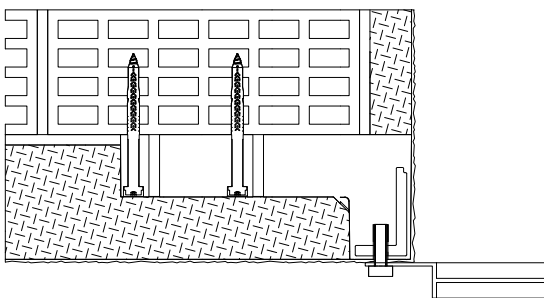
application of hinges for window frames



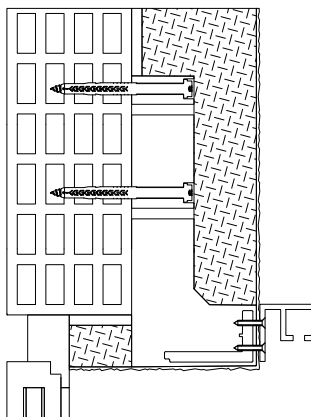
application parapets corners buildings



application parapets



guide rail application

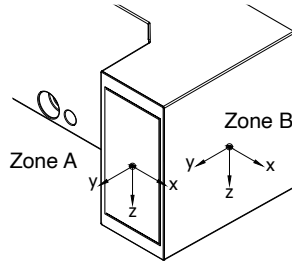


# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES

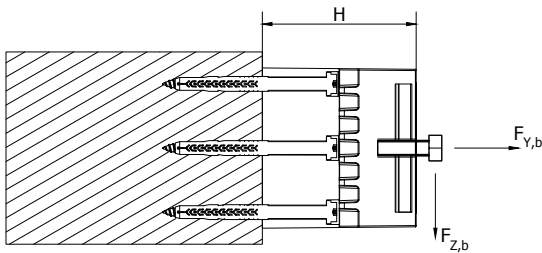
## 6. RESISTANCE VALUES

### Characteristic breaking values

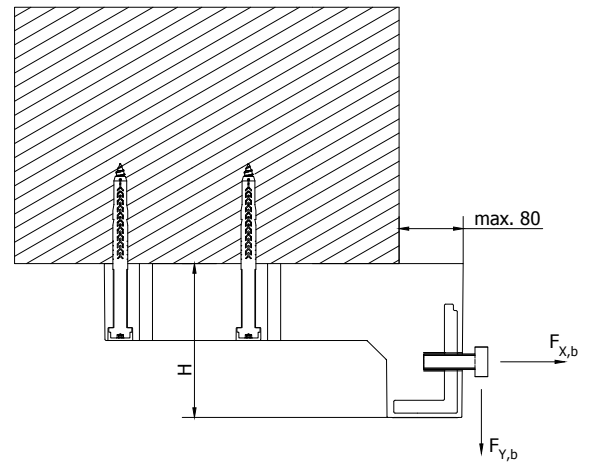
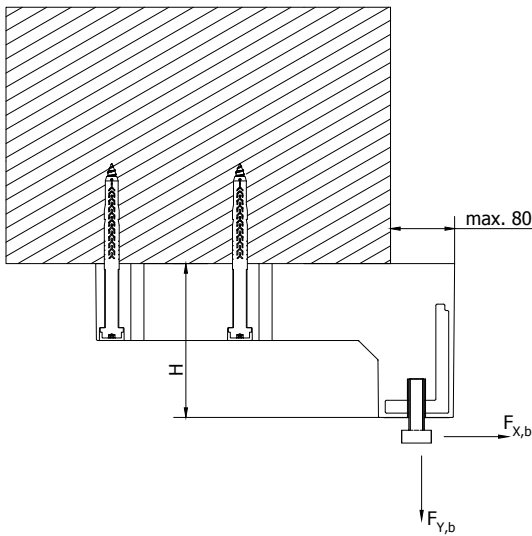
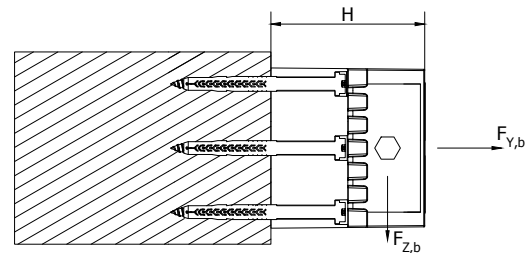
Reference system of applied forces



### Zone A



### Zone B



CHARACTERISTIC BREAKING VALUES [kN] -  $\gamma_m$  included [kN]

DK-MY FIX ALU																	
zone	unit	values							zone	unit	values						
<b>A</b>	H (mm)	80	100	120	140	160	180	200	<b>B</b>	H (mm)	80	100	120	140	160	180	200
	F <sub>y,b</sub> ,m	4,25	3,98	3,71	3,44	3,17	2,89	2,62		F <sub>y,b</sub> ,m	14,13	12,40	10,67	8,94	7,22	5,49	3,76
	F <sub>z,b</sub> ,m	3,45	4,38	5,31	6,25	7,18	8,12	9,05		F <sub>z,b</sub> ,m	2,91	4,02	5,14	4,39	6,83	6,62	7,73
	F <sub>x,b</sub> ,m	12,38	11,62	10,86	10,10	9,34	8,58	7,83		F <sub>x,b</sub> ,m	3,36	3,98	4,59	5,21	5,83	6,45	7,07

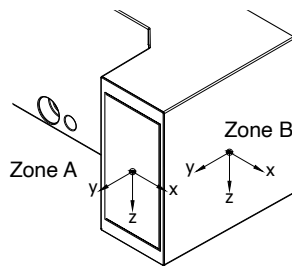
### Meaning Designation Forces [kN]:

FX,b [kN]	Transverse force breaking load (characteristic strength)
FY,b [kN]	Lateral tensile force breaking load (characteristic strength)
FZ,b [kN]	Breaking load of axial tensile force (characteristic strength)

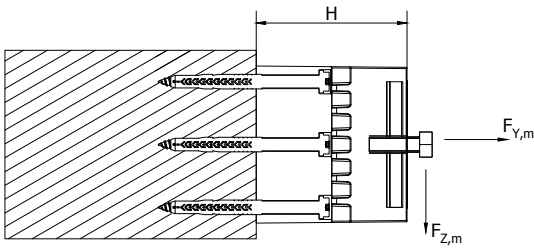
# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES

## Strength calculation values

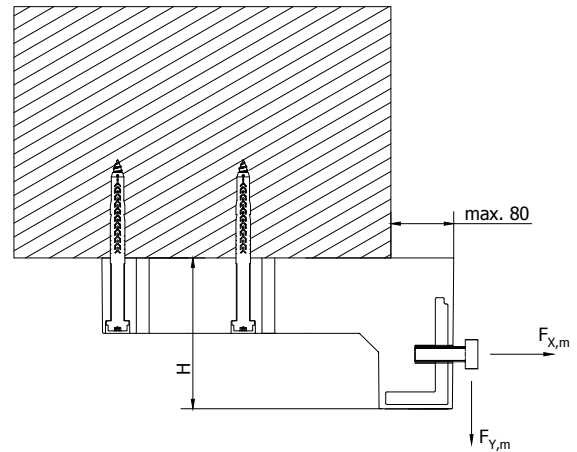
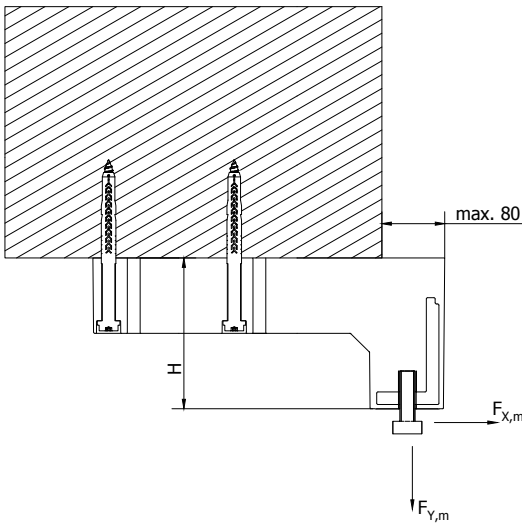
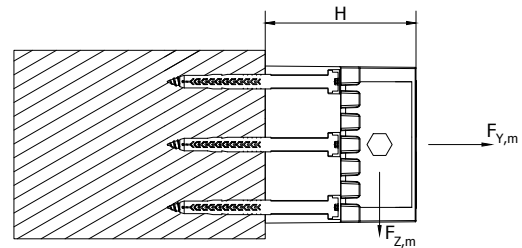
Reference system of applied forces



### Zone A



### Zone B



### STRENGTH CALCULATION VALUES - $\gamma_m$ included [kN]

#### DK-MY FIX ALU

area	unit	values							area	unit	values						
<b>A</b>	H (mm)	80	100	120	140	160	180	200	<b>B</b>	H (mm)	80	100	120	140	160	180	200
	F <sub>y,m</sub>	1,42	1,33	1,24	1,15	1,06	0,96	0,87		F <sub>y,m</sub>	4,71	4,13	3,56	2,98	2,41	1,83	1,25
	F <sub>z,m</sub>	1,15	1,46	1,77	2,08	2,39	2,71	3,02		F <sub>z,m</sub>	0,97	1,34	1,71	1,46	2,28	2,21	2,58
	F <sub>x,m</sub>	4,13	3,87	3,62	3,37	3,11	2,86	2,61		F <sub>x,m</sub>	1,12	1,33	1,53	1,74	1,94	2,15	2,36

### Meaning Designation Forces [kN]:

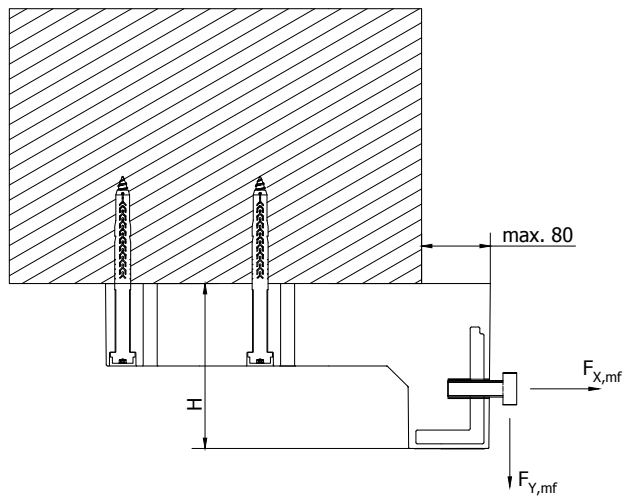
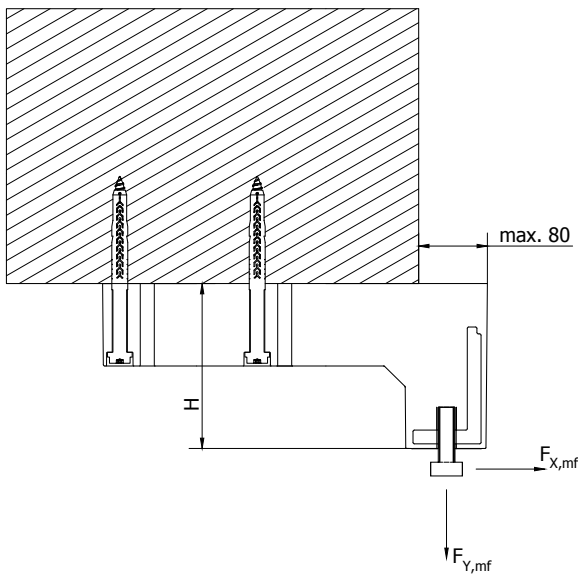
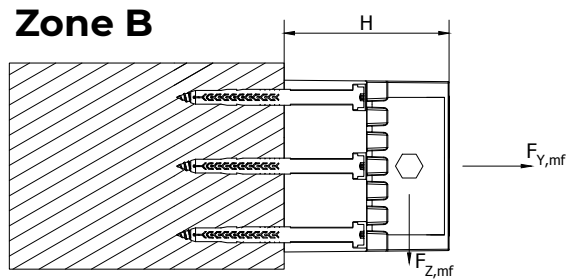
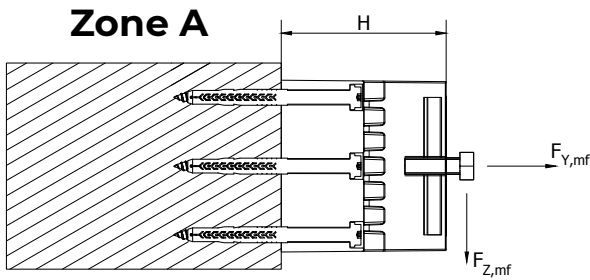
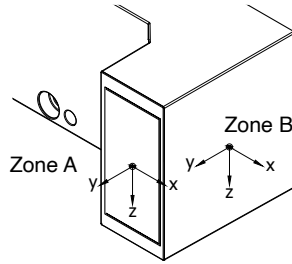
F <sub>x,m</sub> [kN]	Calculation strength of the transverse force of the mounting element
F <sub>y,m</sub> [kN]	Calculation strength of the lateral tensile force of the mounting element
F <sub>z,m</sub> [kN]	Calculation strength of the axial tensile force of the mounting element

The material safety coefficient  $\gamma_m=3$  was considered

# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES

**Reccomended loads**

**Reference system of applied forces**



RECCOMENDED LOADS - $\gamma_m$ and $\gamma_f$ included [kN]																	
DK-MY FIX ALU																	
zone	unit	value							zone	unit	value						
<b>A</b>	H (mm)	80	100	120	140	160	180	200	<b>B</b>	H (mm)	80	100	120	140	160	180	200
	F <sub>yf,mrec</sub>	0,94	0,88	0,82	0,76	0,70	0,64	0,58		F <sub>yf,mrec</sub>	3,14	2,76	2,37	1,99	1,60	1,22	0,84
	F <sub>zf,mrec</sub>	0,77	0,97	1,18	1,39	1,60	1,80	2,01		F <sub>zf,mrec</sub>	0,65	0,89	1,14	0,98	1,52	1,47	1,72
	F <sub>xf,mrec</sub>	2,75	2,58	2,41	2,24	2,08	1,91	1,74		F <sub>xf,mrec</sub>	0,75	0,88	1,02	1,16	1,30	1,43	1,57

**Significato designazione Forze [kN]:**

FX,mf [kN]	Recommended transverse force of the mounting element
FY,mf [kN]	Recommended lateral tensile force of the mounting element
FZ,mf [kN]	Recommended axial tensile force of the mounting element

# DK-MY FIX ALU SUPPORT WITH ALUMINUM PLATES

## 7. INSTALLATION TIPS

### Mechanical fixing requirements

It is necessary to check the suitability of the supplied fasteners for the present substrate as well as the scope of application. In case of unknown subfloor, it is necessary to make attempts to extract the fasteners before the beginning of installation on the object.

In case of load-bearing elements, the insertion of fastening pins into the masonry is not recommended.

In the case of load-bearing elements, the insertion of fastening pins into the masonry is not recommended. The elements should be fixed with threaded bars for epoxy resin or M8/M10 injection vinylester resin.

### Mounting

Before installation, ensure that the hinge support elements have no visible damage and have not been exposed to the weather for a long time. The maximum projection varies according to the required distance between the edge and the fixing pin.

The hinge support components can be coated with existing commercially available materials for thermal insulation coating systems, without base coating.

The components can be set on plaster coating. In this case, the coating must support the compressive forces to which the screwing of the component is subjected.

For screw connections in hinge support elements, wood or self-tapping screws are suitable, as are those with cylindrical and coarse pitch threads (set screws) or screws with metric threads (M-screws).

Screw fastenings should be made only on the intended useful surfaces.

## 8. TECHNICAL SPECIFICATION

Item	Description	Unit	Price
<b>Dak.B.ZIN35.1798/xxMY</b>	Supply and installation of rigid, rot-proof, CFC-free Support, reinforced with two aluminum plates. Element supplied with 3 screw anchors for mounting. Sizes available from 80, 100, 120, 140, 160, 180 and 200 always for 125 x 280 mm. Made of PP (polypropylene). Used for inserting heavy load elements, such as the shutter rebate.		
<b>Dak.B.ZIN35.1798/8MY</b>	80 x 125 x 280 mm.....	pc.	-
<b>Dak.B.ZIN35.1798/10MY</b>	100 x 125 x 280 mm.....	pc.	-
<b>Dak.B.ZIN35.1798/12MY</b>	120 x 125 x 280 mm.....	pc.	-
<b>Dak.B.ZIN35.1798/14MY</b>	140 x 125 x 280 mm.....	pc.	-
<b>Dak.B.ZIN35.1798/16MY</b>	160 x 125 x 280 mm.....	pc.	-
<b>Dak.B.ZIN35.1798/18MY</b>	180 x 125 x 280 mm.....	pc.	-
<b>Dak.B.ZIN35.1798/20MY</b>	200 x 125 x 280 mm.....	pc.	-